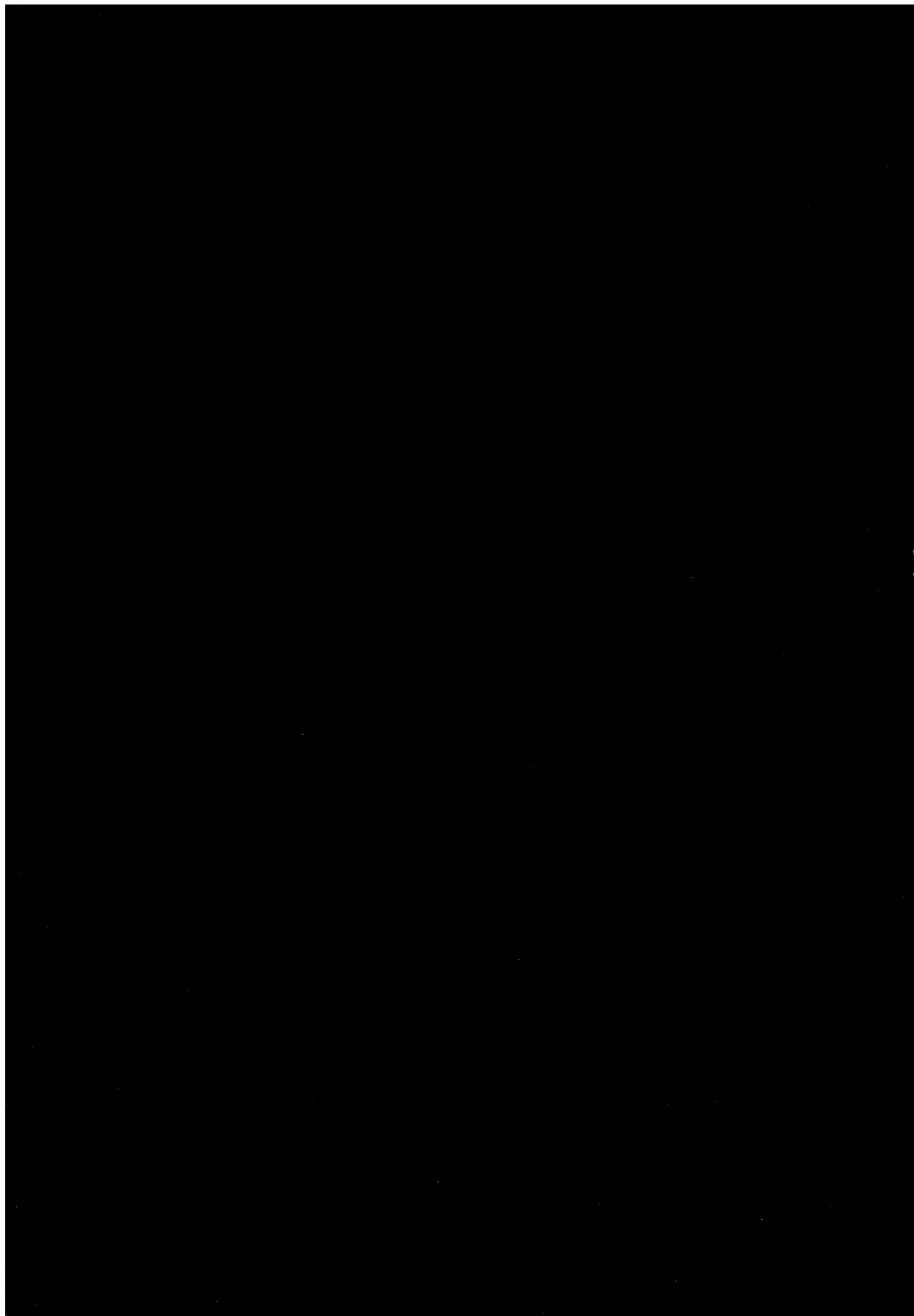


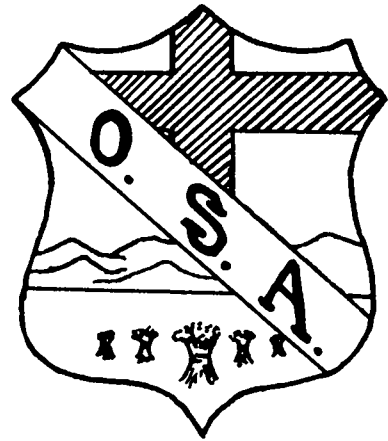
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O. S. A.  
MAGAZINE



FOR 1930  
AND 1931



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## Foreword

By HON. GEORGE HOADLEY, *Minister of Agriculture*

IT is a pleasure to address a message to the students of the Olds School of Agriculture through the medium of their 1931 Year Book. The publication of this very interesting magazine reminds us that another year has passed and yet another graduating class will pass out from the sphere of school activities and enter the larger field which awaits them in the pursuit of their vocations.

People of all ages have commented on the changing conditions of the times in which they lived. It may be that the rate at which this process takes place has been accelerated in the present age; but it is certainly true that the problems of Agriculture today differ widely from those of a short while ago. The ability to adjust oneself satisfactorily to a new environment and to find a solution to its problems will be an important factor in achieving success. In order to do this a knowledge of basic principles is essential, and I am convinced that the course of training given at the Schools of Agriculture will prove to be of great value in solving the problems which arise in the home and on the farm.

It is my desire and expectation that graduates will not only be successful in the conduct of their business, but, that they will be conscious of their responsibilities as citizens and make a valuable contribution to the welfare of their communities and to the Province as a whole. At all times, and particularly in times of stress, much depends upon the degree of intelligence and application exhibited by the individual in the discharge of duty.

The pioneers of this Province were encouraged to endure hardships by their vision of its future greatness. Remarkable progress has been made and greater potentialities revealed. The future rests in the hands of those who are now about to assume the responsibilities of citizenship and play an increasing part in its development. May I express the very sincere wish that success may attend their efforts.



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## Dedication

***T**HIS Year Book is dedicated to  
F. S. GRISDALE, retiring  
Principal, and to his successor,  
JAMES MURRAY.*



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## A Message from the Ex-Principal

F. S. GRIDALE, M. L. A.

**I**N WRITING a message for the magazine this year, I do so feeling with deep regret that it will be the last one that I will have the privilege of writing for a group of O. S. A. students and staff with whom I am personally acquainted and with whom I have had intimate and congenial associations.

For seventeen years it was my privilege to be part of the organization of the Provincial Schools of Agriculture, the greater part of the period marking a connection with the O. S. A.; the balance with the V. S. A. I have seen during this long period of service, many hundreds of the cream of Alberta's womanhood and manhood pass through the institution as students in domestic science and agriculture. Guided by the practical philosophy of these associates and the connection they had with the leading thought of the Province, it was natural and logical that the O. S. A. as an organization should thrive and grow. The development is due also to the fact that a large majority of the men and women who have served as instructors at the O. S. A., have been most capable and tireless workers and have shown a spirit of self-sac-



## Bon Voyage

By JAMES MURRAY, *Principal*

THE appearance of the year book is an unfailing sign that the school year is fast drawing to a close. The members of another class are going out from the portals of the school armed with parchments as a proof to the world that reasonable proficiency has been attained in the course of prescribed study. They go out to join the ranks of the ex-students,— a group now numbering over sixteen hundred, and as they go we say a word of farewell.

Your time of sojourn here, whether of one, two or three years has been a time of vital importance to you. Just how vital you will realize only when it is viewed in the perspective years of absence. What you carry away is not to any great extent indicated by the records in the register. Examination results are transitory compared with the experiences you have gained by contact with fellow students and staff.

Look back if you will to the day you entered here as a student, a stranger probably to all others, and possibly a stranger to yourself. Your class soon called you to help in its literary, social and athletic activities, and your pride in the accomplishments of

Turn to page ten

Page Seven



## Editorial

**A**NOTHER college term has come and almost gone, and for many of the class '31 it will be the last. This means that another class is departing from the O. S. A., pushed out into the larger world of men and things. How inexorable is time! Not much longer shall we be spending pleasant hours together; nor shall we be dashing madly from one building to another, late for a lecture, or, in the event of a major dance in the offing, spend our time frenziedly booking dances. For many months we have been treading these halls; some of us have seen classes come and other classes go, and now we too have come to the parting of the ways.

We have reached an important milestone in our lives. I am sure that none of us thinks that he has reached a plateau of knowledge, from which he may look snugly down. Rather we are on the side of a long, long hill—just over the first rise, but ahead of us lies an endless trail reaching up to the skies and losing itself in the misty distance. The Magazine Staff wish you Godspeed on your journey, expressing the hope that you will find happiness and prosperity. Without question, you will find the work of the world harder and perhaps less pleasant than College days, yet paradoxical as it may seem the real joy of living is before you, the joy of seeing life grow into achievement.

It is the established practise in many colleges and schools to gather in a Year Book all the memories and associations of college days that the graduating class prize, and will prize still more as student days recede further into the background of the past. Something of the individual characteristics and personality of the members of the class is caught and held; something of the character of the class as a whole remains in the printed page.

This annual has been prepared not only with the object of portraying a year in our college life, but with the hope that it might catch our spirit and carry it into the future.

We will consider our efforts well rewarded, if, when time has somewhat dimmed the fond remembrances of undergraduate days, this, our seventeenth publication, will serve to keep these memories ever foremost in our happy reflections on the past.

We would like to express our sincere appreciation of those who in any way assisted in making this publication a success. It is a pleasure to acknowledge the co-operation of the Alumni members and others who so kindly sent us articles and the advertisers who so generously assisted us in spite of present economic conditions.

FRED N. MILLER.



1930-'31 Students and Staff of the O. S. A.

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# O.S.A. Extension Library

By CARRIE E. BEATTIE, *President of the Library Association*

I WOULD like to call the attention of the students attending Olds School of Agriculture to the privilege that is theirs in having access to the Extension Library, situated in the Dormitory Building. Such a Library will be found in few towns in Canada of the size of Olds, and I think I am safe in saying not in one other School of Agriculture in Alberta; perhaps I might say, in Canada.

While it was on the initiative of one of the former teachers of the O. S. A. that the library came into existence, he was ably supported and encouraged by the citizens of the town. It has been a pleasure for Olds to do what can be done by its citizens towards replacement and augmentation.

Since its inauguration it has been under the care and direction of the Library Association, the real work having been attended to by Mr. Churchill and Mr. Yauch. It is due to the efforts of this body that the shelves have been added to at various times. Many schemes for revenue have been used, in which, not only the citizens, but also the students of the O. S. A. have taken an active part. Other institutions of learning have given assistance, and books have been received from the libraries attached to the Legislatures of both the Provinces and the Dominion. A box of books, received from London, England, is an annual event. There is a varied assortment contained in this Library: some fiction, by the best authors; many books for children, both amusing and instructive; poems by our own and other poets; but outstanding is the collection of books of reference which, if properly used, will prove of great value each year to the students in preparing their daily work.

At present there is an assistant Librarian, paid in part by the Library Association, the working members of which are Olds people. Since the Assistant Librarian has taken charge of the registering there has been an almost total suppression of the loss of books, which had assumed alarming proportions. It is also the duty of this assistant to list, mend, and keep in good condition all books under his charge. He stands ready to aid the patrons in any way requested.

In return for what Olds has tried to do for you, we would ask you to see and benefit by this Library. Also, if in after years you can assist by donating books or money for this purpose, do so, and urge others to do likewise.

\* \* \* \* \*

## BON VOYAGE—*Concluded from page 7*

the class overcame your modesty. You gradually became one of the group, and by the time you entered your second year, your *class* was everything. You looked down from the eminence attained only by a sophomore with a degree of disdain on the freshmen.

A year later you realized that as a member of a class you could help accomplish many things out of your reach as an individual, but that no amount of classwork could take the place of well directed individual effort to your particular work. You had probably reached a decision before your third year of what you intended making of yourself and so could work to better purpose than where you only knew you were on the way but were not certain of the direction.

Your personal contacts with students and staff and your learning of their interests and ambitions have widened your horizons probably as much as what you received in the classrooms. Your efforts in social, literary, and athletic affairs have been no less useful in rounding out your school experiences to assist in making them the most memorable days of your life.

As you leave your school days behind and join the evergrowing body of alumni, to engage in your particular work whether it be on the farm or elsewhere, inside or out we wish you Bon Voyage. The good name of the school is in your keeping.

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SECRETARY & BUS. MANAGER



FRED N. MILLER  
EDITOR



ALFRED GROOM  
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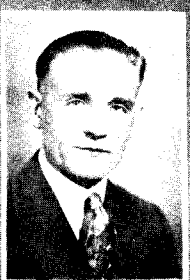
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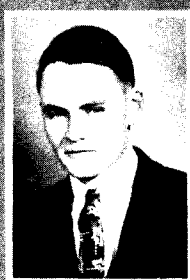
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PICNICKING ON THE RED DEER

HEDERMIDS EDMONTON

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Page Twelve

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# Twenty Years Behind the Times

By H. R. THORNTON, *Professor of Dairying, University of Alberta*

IT HAS been said that it takes ten years for the scientific world to recognize a scientific discovery and ten more before the populace are aware of it. If this is true, and there are instances aplenty which seem to evidence its veracity, then the man-on-the-street is continuously twenty years behind the times!

Nor is the dairy world any exception to the rule. Of the numerous examples possible of citation one only will be mentioned here—the sources of milk contamination. In the misty and obscure ages before 1918 (misty and obscure as concerns this subject), the milk producer of the world floundered around in almost total darkness attempting to produce quality milk with hit and miss, by guess and by Jingo methods, conducive of fluctuating results which seemed only of metaphysical explanation, the position of the heavenly bodies being as good a one as any. Some of the cleanest people with the most elaborate and expensive equipment produced the worst milk. Little was it recognized that the very elaborateness militated against success. The nearest approach to a reasonable and intelligent guess as to the whys involved in the matter was summed up in the indefiniteness of cleanliness. A certain Dairy School taught that there were three great principles involved in the dairy industry. The first was *Cleanliness*. The second was *Cleanliness*. The third was *Cleanliness*. "Cleanliness is next to Godliness," so the dairy world sloganized. And sometimes it almost seemed that faith in one gave results identical with faith in the other.

The trouble was that nobody knew what the word cleanliness really meant. The time seems ripe to step from behind the thin mask of indefiniteness and admit our ignorance or else be specific. Fortunately we can today be specific.

Let us assume that, since we are graduates of the Olds School of Agriculture, we all have a healthy respect for the place in the dairy industry occupied by the lowly thermometer. Let us assume that, since we are humans of at least average refinement and intelligence, we are average aesthetes. Let us assume for the purposes of this article that we appreciate to the full the relation of temperature and dirt to the quality of milk and milk products. Then for the once let us forget these things and concentrate upon the most prolific source of milk contamination, the utensils.

Your sensitive prejudices to the contrary notwithstanding, that portion of the proverbial peck of dirt, including manure, which persists in falling unsolicited into your pail of milk, introduces into that milk bacteria which on a unit basis may be numbered in five figures, while your milk pails, cans, strainers, milking machines, and separators may be the source of ten and even one hundred times that number. I know of no subject in the whole field of dairy bacteriology which has been so extensively studied with as little conflict of result as the importance of utensil contamination. In practically every milk supply that I have personally investigated, including three very high-brow and academic college barns, the utensils were found to be contributing the largest numbers of bacteria to the milk of all the various possible sources of contamination. The importance of the utensils as a source of contamination was first conclusively shown in 1918. Thus my inference that that year marked the beginning of a new era in sanitary milk production. The problem has been extensively studied in at least three countries and on two continents and all workers have come to essentially the same conclusions. Let us bear Father Custom out of seven years and be only thirteen years behind the times rather than the usual twenty.

Don't think that these findings are in any way at variance with the peculiar habits of the ubiquitous but unique germ. Its very ubiquity assures its presence in every utensil. Sterilization of utensils on the Western Canadian farm is a practical impossibility. You may well ask, then, what hope? If all the scouring and scrubbing in the world won't wash a milk pail so clean of food that bacterial growth is impossible,

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## The Students' Council

THE English word "council" is derived from the Latin "councilum" which means advice. In the ancient Roman government there was a council of the older and more experienced administrators of the state. These men were called together from time to time for the purpose of giving advice on certain matters which were at the time, questions which had to be decided with little delay and yet in the best way possible.

Councils are formed nowadays for this identical purpose, whether it be a city council, a council of war, or a students' council. In most cases their name imparts to us their functions.

The Students' Council at the O.S.A. consists of two representatives from each class elected by the students and two appointed by the Staff. In choosing their representatives the students elect those members possessing the best administrative abilities and those who represent their class to the best advantage.

The duty of the Council is to exercise authority in all matters pertaining to the welfare of the Student Body. All committees are responsible to the Students' Council, and may fall back on their advice when needed.

The regular Students' Fee of Two Dollars, which is paid at the School Office at the time of enrollment goes to the Students' Council, who from time to time distribute it to the various committees.

It may be said that the Students' Council at the O.S.A. is the government of the Student Body, by the students and for the students. The Principal and Staff are always available in case their advice is needed.

May we express our appreciation of the support and co-operation shown by the students and the faculty during the school year 1930-31.

We trust that in future years the Students' Council will be the guiding hand in the progress of our Institution.

JIM SHAW.

\* \* \* \* \*

### A MESSAGE FROM THE EX PRINCIPAL—*Continued from page 6*

rifice in their duty in promoting the welfare of the school in general. It is a pleasure to say that the teaching staff of the O.S.A., have played a very important part in the success of the institution and I give credit for the development, the influence, and the success of the O.S.A., to the ability and hardworking propensities of the many men and women who have been on its teaching staff. In a large measure, too, the O.S.A. owes a debt of gratitude to the spirit of loyalty and the whole-hearted support which has been continuously contributed by the men and women in the Alumni Association. No institution with which I am familiar has received more generous assistance from its graduates. It is my sincere hope that their loyal assistance and co-operation has been well founded and that they can feel that their devotion and efforts have been worth while.

During the history of the school, the economical conditions on the farms in Alberta have changed very materially. The farm management problems and living conditions now are entirely different to what they were some years ago. In the early years of the school's operation, rural problems were comparatively simple, prices relatively good, and people were prosperous. Today these conditions are absolutely reversed. In the rural areas the farm problems are exceptionally complicated, prices for all farm produce are at approximate zero and conditions in general are terribly depressed. That these conditions are only temporary I have no doubt, and in the face of such adversity it behooves everyone to continue as nearly as possible with the program as already started for their life's training. That the carrying out of a policy of training for one's life work under the present stress is most difficult all admit. It will be agreed though that those who can arrange to continue without a break the training they have under-



Mr. Edith Cavell, Jasper Park; Photo, F. H. Slark

## A Stiff Climb

By E. R. GIBSON

AS THE westbound traveller steps out of the crack C. N. R. flier to stretch his legs on the platform at Jasper Park, a scene of wondrous beauty greets him. Gone are the

seemingly endless miles of level plain, the stereotyped, farm dotted landscape, and in its place he finds himself in a wide valley with towering mountains on all sides, whose snow covered flanks each contribute their quota to the mighty Athabasca River, running swiftly at his feet.

Amongst the circle of peaks which rise on every hand, Pyramid, the Collins, Old Man, Kerkeslin, and Hardisty, to mention only a few, there is one away to the south as one looks up the Athabasca valley, which seems to stand head and shoulders above them all. It is the giant Mount Edith Cavell, whose snowy crest rises to a point 11,033 feet above sea level—the highest mountain in Jasper National Park. This mountain was well known to early travellers and to the "voyageurs" who called it "La Montagne de la Grande Traverse" due to the striking horizontal bands of snow which lie up the great precipitous Northern face. After the war its name was changed to Mount Edith Cavell, in memory of that heroic nurse who gave her life in her country's cause. This peak had long caught my eye, but the opportunity to tackle it did not occur until last summer when I was in Jasper and had two or three days at my disposal. I was fortunate in having as a companion for the climb an enthusiastic member of the Canadian Alpine Club, Mr. Walter Streng, who hails from Ohio. We had a council of war and decided to attack the peak by its great East ridge. This ridge is a stiff climb and had never been climbed by an amateur party without the assistance of a Swiss guide.



The Author beside the summit Cairn. Photo, B. E. Strong.

We got a lift to the Tea Cabin at the foot of our peak on Sunday evening, August the 7th with Mrs. Slark the very kind proprietress, and she allowed us to spread our sleeping bags on the floor of the tea room for a brief sleep. Our alarm clock was set for 3 A. M. as we knew the climb would take some seventeen hours, and an early start was called for. It rang, alas, on deaf ears and we did not finally get started till 6:15. For our laziness in not getting up on schedule we were to pay dearly later! The summit rose almost exactly a mile above our heads—but what a mile!

Leaving the Angel glacier on our right hand, we made for the lowest point of the ridge beneath the great Eastern shoulder. To reach this we had to climb some steep slopes of hard snow; we, therefore, roped up together about 7 a. m. and remained so roped for the next nine hours. The pass (marked "A") at the foot of the East ridge was reached by us at 8:35, and here the real business of the day began.

After a second breakfast, we began the arduous ascent of a steep rocky gully in which we gained height rapidly. At the end of three hours steady climbing we came



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out on the crest of the great shoulder (point "B") that is such a prominent feature of the East ridge. Here a very unpleasant surprise awaited us. It was our first sight of the final 2,000 feet of the ridge (from "C to D") and it looked uncommonly steep and very difficult; in fact it actually appeared to overhang in places. While not admitting it to my companion, I thought to myself at first that the odds were very much against our getting up there at all. Apparently he had the same inward thoughts, as I subsequently found out. We both knew, however, that appearances are apt to be deceptive especially where mountains are concerned, and we decided to get a "close up" of this difficult pitch before admitting that the peak had beaten us.

The approach along the top of the shoulder brought us out onto a knife edge of snow which ran to a point against the lowest rocks of this final 2,000 feet. This knife edge required some careful negotiation, as the snow fell away steeply on either hand and ended on both sides in a sheer precipice. Though we had fifty feet of rope out between us, it was not enough to enable me to reach the rocks without bringing Streng onto the knife edge too. Once I had effected a lodgement on the rocks I felt safer and to my great relief found that the rock though steep was sound and firm and offered plenty of good foot and handholds. As soon as my companion had also obtained a good footing on the rock, I let out the full hundred feet of rope and started up the last 2,000 feet which lay between us and the summit.

It was now 1:20 p. m. For the next two and one-half hours we climbed one at a time as follows: I would first climb some 80 feet up the rock face until a suitable holding place presented itself. Planting myself firmly in my footholds I would then shout to Streng to come on. As he climbed up hand over hand I would take in the slack of the rope; he would then wait while I climbed a further 80 feet and so on. On a number of occasions when I stopped to bring him up, he was entirely invisible to me due to the steepness of the intervening rocks. The actual summit was invisible for the same reason, it came as quite a surprise to me, when, after cutting some steps with my ice-axe on some steep and icy snow, I topped the rise and saw the summit cairn (point "D") within five yards of me.

It was a very welcome sight as the last 2,000 feet of the ridge had proved to be a rough proposition. The time was now 4:05 p. m. so that it had taken us nine hours and fifty minutes to reach the summit. We stayed there for an hour, enjoying the wonderful panorama of peaks on all sides, from Mount Robson's colossal pile in the north to the giants of the Columbia Icefield far away to the south. We also enjoyed some food and a well earned rest. There was, however, a cold wind blowing and at that altitude it was none too pleasant. We, therefore, started the descent at 4:35 p. m., crossing over the second summit (point "E") on the way.

The old saying "Facile decensus Averno" was certainly true of the descent of Cavell by the back way. It was just a long grind down stale slopes and the rope was discarded as being quite unnecessary. At 6:35 we reached timber line at Verdant Creek, having rattled down some 4,000 feet in two hours. We had a rest there and some food and then set out on the final stage of our journey. It was a three hour trek around the base of our mountain, across unsuitable slopes of scree and finally through dense bush. As may be surmized, we were both somewhat weary, and to make matters worse we were overtaken by darkness about 9 p. m. The last hour struggling through heavy bush, clambering over deadfall and crossing creeks and great piles of boulders in the pitch dark can better be imagined than described. Thanks to getting a line on the constellation of Cassiopeia, which gave us a good line on which to march, we came out on the Jasper-Cavell motor road within a few yards of the spot at which we were aiming.

While my companion rested at the roadside I walked on the three miles up to the Tea Cabin and brought down their car and collected him together with our rucksacks and other impedimenta. We got back at 11 p. m. and after a hearty meal washed down by copious draughts of *tea*, we turned in to a well earned sleep. We recommend the East ridge route on Mount Edith Cavell as a first class rock climb.

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## The Third Year Class

**T**HOUGH the Third Year class is small this term, it is, as ever the model class of the O. S. A. No class studies harder, is more public spirited, or is more prone to follow the rules of the Institution. This is only natural as we are the pick of approximately five hundred students who have attended the Schools of Agriculture.

As yet we have won no distinction as athletes, public speakers, or dramatists, but before this term is over we are certainly going to make a valiant attempt towards winning our share of the laurels.

It would certainly be a revelation for some of our present day cynics to have a confidential talk with this class. For contrary to the beliefs held by such people, the numbers of this little band, of Canadian youths, have boundless ambition, are not afraid of work and are all good citizens in every way. Yes, I will grant you, that some of us are not of the common class, but just the same Hoagland and Cuthbertson are two of our best class mates even if they do swank around in their own limousines.

Finally, we of the Third Year class, wish to express our appreciation to the Olds School of Agriculture, and to the Staff, who have given us their services and help during our training here.

N. S. BLAKE.

\* \* \* \* \*

## THIRD YEAR BIOGRAPHIES



ALLEN, TED

Originally a Yankee, this jack of all trades moved long ago to the sunniest spot in Alberta—Taber. A graduate of the C. S. A. before coming to the O. S. A. He is another example that proves gentlemen prefer blondes.

Hobby: Practising the half Nelson on Shorty, while Irwin stands by ready to call the nurse.

Pastime: Bawling out Irwin for not bringing up his breakfast.

Future: Jewellery bills; debates; 'varsity.

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## BLAKE, NIGEL S.

Blake was one of the Intelligence Dept. last year and returned this year to complete his matric, prior to attending U. of A. "Variety is the spice of life" and Blake kens it. Yes, he likes "Scotch," but speaks remarkably good English. He admits being born at Nanton back in 1907, and through these many tedious years has aquired many admirable characteristics. He is a member of the Students' Council.

Ambition: To banish the grain scoop from the farm.



## BOLT, DANIEL

Dan was born in North Tawton, Devonshire, England, on July 26, 1911. He came to Canada in his early infancy and arrived at Strathmore where he made his home for three years.

Since then he has resided at Olds and has been a successful grain exhibitor at many shows.

Having completed the two year course we have Dan back taking his "matric" this year.

Best of luck for the future "Dan."



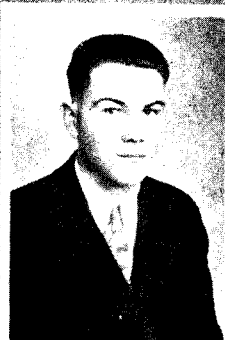
## BROWN, SAM

Born at High River, Alberta.

Last year Sam decided to better himself a bit so he signed up with the O. S. A. Two-in-Ones, and this school term found him in the ranks of the Third Year men. Sam left us at Christmas and Oh! how we missed im. He left us but he took his ambition with him, for we beleive he intends to write his exams in the spring. The old pepper, Sammy!

Pet Saying: Holy doodle.

Pet Hobby: Winsing prize waltzes.

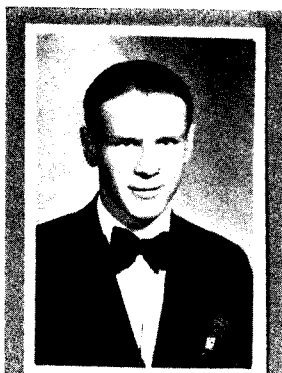


## CHATTAWAY, GOERGE D.

George was born in Ontario but soon moved to Alberta. He graduated from the O. S. A. last spring, but the call of school life was too strong, so logically we find him back pursuing his Matric studies. Besides taking a keen interest in school and social activities, George has proven a valuable member of the Students' Council. In short, he is a real man and friend.

Weakness: A certain dark haired occupant of the north wing.



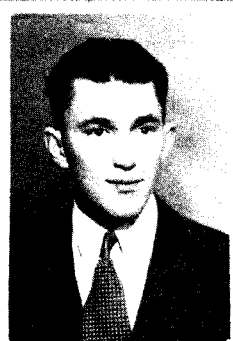


CUTHBERTSON, JAMES BOYD

Born in Calgary 1912. Later roamed to Vancouver Island, but not having enough freedom there decided to come back to Alberta. He chose Olds' district as a good place to reside. Boyd is a hard conscientious worker, never forgetting the humorous side of life.

Ambition: To enter 'Varsity next year and become a Journalist.

Favorite Pastime: His Ford and girls in any given quantity.



FAIRBANKS, CALVIN L.

Twenty-one years ago, this ray of sunshine appeared in Salt Lake City, but after careful consideration, crossed the line to Lethbridge two years later. Here Cal was constantly in the calcium glare while attending public and high school. In '28 he came to the O. S. A. and has been with us every winter since. He has been a real asset to our school, having worked on many Committees in the past and is now President of the Students' Council.



FLEWELLING, INA MAE

Ina was born June 15, 1907, near Lacombe. Later she moved to Consort with her folks where they still reside. She graduated from the O. S. A. in the spring of 1929 and carried off many prizes. This year we find her working in the dining room and in her spare time taking part of her third year.

She is the only feminine member of the matric class but that does not worry her.

Favorite Pastime: Skating when there is ice.  
Weakness: Fair-haired boys.



GOOD, MAX W.

This happy member was born on January 21, 1912, in the little town of Carstairs. Has lived there ever since.

"Pat," as he is commonly called, is a genial and smiling member of that senior class—The Third Year. He takes part in all sports and is a member of the Social Committee.

Puts study before pleasure.

We all rise to drink to Sir Max, the best of luck!

Weakness: Writing Notes.

HIMMELREICH, MERRILL L.

After successfully completing his Agricultural course here last year, Merrill returned to pursue the matriculation studies. A young man of promising abilities is this handsome member of the senior class, who carries the dignity of his scholarly position with uncompromising propriety. As President of the Literary Committee for 1930, he has shown unusual executive abilities. We know that his hopes for a university career will be realized.

Favorite Bed-time Dreams: Hilda—?



HOAGLAND, RAY H.

Was born in Rosalia, Washington, but spent the later part of his life in Alberta. After completing the course at the O. S. A., Ray came back for his third year and is taking it in good style. He is president of his class for the spring term and also president of the Cafeteria.

Ray's ambition is to graduate from the U. of A. in Civil Engineering.

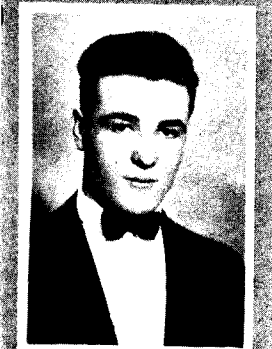


HOLE, RONALD ALLAN

Known as "Shorty" for various reasons. He was the cream of the 1930 graduating class at Claresholm, having won the Burns' Scholarship there. He decided to take the matric course at O. S. A. for two reasons: (1) 'Varsity, (2) Chances of matrimony. He is the life of the Third Year wing in the Dorm and we all join in wishing him the greatest success.

Hobby: Tuning the banjo.

Pastime: Trying to play it.



IRWIN, ELLWOOD

Here you see pictured the facial image of Ellwood R. Irwin, third year student and O. S. A. Drummer. This outstanding individual after obtaining his diploma in Agriculture at the Claresholm School of Agriculture, came to the O. S. A. Ellwood is one of the few brilliant third years, and is noted for never sleeping during lectures.

Hobby: Mathematics.

Future: Success anywhere.

Good Luck, Ellwood.





McFADDEN, HUGH T.

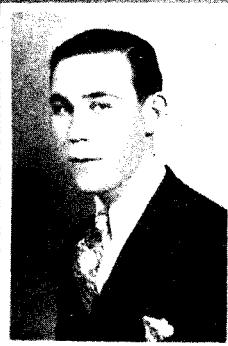
Was born in Southern Alberta, where he received his primary agricultural education, graduating from the Raymond School of Agriculture in 1928. Although Hugh took the matriculation course last year we find him back again, working in the kitchen and taking a few classes. His popularity has increased in his second year here and he was a very able president of the Matric class for the fall term. We wish Hugh the best of luck in whatever he pursues.



MILLS, BRITTON WILLIAM

Born near Alcomdale, Alberta, where he has resided ever since. After taking his first year in '27-'28 he returned for his second year in '29-'30 and this year is taking his matric. Britton won the first prize for highest standing in the second year. Be modest about everything seems to be his motto. He takes an active part in all class work. The fullest of well deserved success to you, Britton.

Future: 'Varsity.

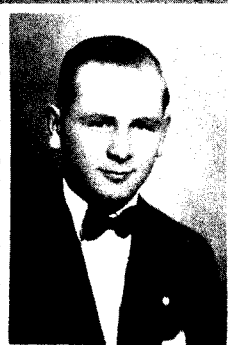


RODBOURNE, THOMAS

Tom was born on July 16, 1910, at Crowfoot, Alberta, and there he still resides. He is an outstanding member of the well known "Matric Class" and is well liked by all who know him. Tom takes an active part in the Social Activities as well as being President of the House Committee and a member of the Athletic Committee for the spring term.

Weakness: Daring.

Future: Is unknown, but we wish him every success.



WAHLSTROM, GUNNAR E.

As to the place and time of his birth—it may be found in the '28-'29 Magazine, but don't blame him for that.

Gunnar is one of our ambitious matrics, taking part in everything that comes along including hockey and debating.

His ambition is not known, but we wish him the best of luck.

Favorite Pastime: Writing stories.



CHEMISTRY — FIRST YEAR GIRLS



SEWING — DRAFTING PATTERNS



# The Soil Belts of Alberta

By J. L. DOUGHTY, *University of Alberta*

SOILS are classified according to the characteristics that are evident in the soil profile. By profile is meant the various horizons or layers found between the surface and the parent or unweathered material. The horizons are designated by the letters A, B, C. The A horizon includes the layers extending from the surface to the bottom of the layer of greatest leaching. The B horizon includes the layers of concentration, both of fine soil particles and of lime. The C horizon is the parent material. These horizons are again divided into as many layers as appear in the profile, each being designated by the horizon letter followed by a numeral, the upper layer of each horizon being numbered 1.

The soils of Alberta have been divided into four major classes or soil belts which correspond fairly close with the precipitation and vegetation. These four major divisions are known as the Brown, Dark Brown, Black and Grey soil belts. The parent material of all these soils is glacial debris, but the variability of this material has not been determined. The evidence that is available indicates significant variations in the different subsoils.

The Brown soil belt occupies the southeast corner of the province and extends north as far as Provost and west to Warner. The western boundary is a line extending north from Warner to Crowfoot and then northeast to Provost. This area comprises approximately thirteen million acres and lies within the prairie belt.

The main characteristics of the brown soils are the color, a very thin A-2 layer and the B-2 or lime layer within 4"-6" of the surface. These soils are very low in organic matter but high in acid soluble carbonates. They are alkaline or neutral in reaction.

The Dark Brown soil belt lies to west and north of the brown soils. These soils extend west to foothills as far north as Cochrane. From this point the boundary is a line running northeast from Cochrane to a point just north of Vermilion and then southeast to the Saskatchewan boundary. This area is also approximately thirteen million acres in extent and is all within the prairie belt.

The dark brown soils are similar to the brown but are slightly darker in color because of more organic matter. The lime layer is not as close to the surface nor is the carbonate content as high. These soils are inclined to be more nearly neutral, though never acidic in reaction.

The Black soil belt lies to the west and north of the Dark Brown belt. The southern extremity is a point about twelve miles west of Airdrie. The western boundary is a line running from the above point north and a little east to Gull Lake then north near the fifth meridian to the Pembina River near Pibroch. The northern boundary is a line running east and southeast from Pibroch to the Saskatchewan boundary, taking in a strip from four to twenty miles wide on the north side of the North Saskatchewan river. This area is approximately nine million acres in extent. It includes that portion of the province known as the parklands which represent a comparatively recent invasion of the prairies by brush and small trees.

Areas of somewhat similar soils are found in parts of the Peace River district.

The black soils owe their color to their high content of organic material most of which is of a lignified nature. These soils have the deepest A-1 layer with an average depth of 8"-12". The A-2 layer varies in thickness from 4"-10" and is of a brownish or dark grey color. The lime layer is found about two and one-half or three feet below the surface. The black soils are neutral or slightly acidic in reaction.

The Grey soil belt lies to the north and west of the black soils and represents that portion of the province that has been wooded for a long period of time. Included in the grey or wooded soils are the vast areas of peat and muskeg that occur in



northern Alberta. These soils while not being podsollic in nature have been formed under similar climatic conditions. The Grey soil belt is the most extensive of the soil belts, covering approximately two-thirds of the province.

Unless the country has been subject to recent firing, the grey soils generally have an A-0 layer 1"-4" in thickness of organic matter, chiefly leaf mold. The A-1 layer is seldom more than two inches thick and is often absent. The A-2 layer varies in thickness from 4 to 14 inches and is of a whitish ashy appearance when dry. This layer is distinctive of the wooded soils and it is responsible for the name. It is low in organic matter and contains very little plant food. The B-2 or lime layer is generally found from 3 to 6 feet below the surface. The A-1 layer of the wooded soils is neutral or slightly acidic in reaction. The A-2 layer is generally acidic, though distinctly acid soils are seldom encountered.

Between the Black and Grey belts is a narrow strip of transitional soil containing characteristics of both types. This area is very irregular in shape and difficult to outline. Its comparatively small area renders it unimportant in considering the major classification.

The warm winds of the prairie section increase the rate of surface evaporation, thus materially reducing the amount of water and the depth of its penetration into the soil. Under such conditions there is very little movement of either soil particles or dissolved material and this movement is confined to a very narrow layer. In the wooded areas the rainfall is not much greater and in some places no more than on the prairie, but the rate of surface evaporation is much slower owing to climatic conditions and vegetative covering. Under these conditions there has been greater penetration of water into the soil with corresponding movement of soil particles and dissolved material forming the well-developed leached and concentration layers of the wooded soils.

Chemical analysis of the soils from the different belts shows the black soils to be much richer in potential plant nutrients. This is particularly true of nitrogen and phosphorus, the two elements that are most likely to be deficient. The black soils contain from two to four times as much nitrogen and about one and one-half times as much phosphorus as the brown soils. The grey soils have about one-quarter as much nitrogen and one-half as much phosphorus as the black.

\* \* \* \* \*

#### A MESSAGE FROM THE EX-PRINCIPAL.—*Concluded from page 15*

taken, will be well advised. Normal times will return and when they do, the man or woman who has good training in mind and hand will receive full reward. The O. S. A. provides at heavy cost to tax payers, applied education in home-making under conditions that make it possible to get training that would otherwise not be available. Those who avail themselves of such facilities may then resume their duties in rural districts not only better fitted to achieve greater personal prosperity and happiness, but also to serve the agricultural industry, the community, and the Province in general in a very much more efficient manner.

Having emerged from the present depression, it is pretty well assured that the O. S. A., the students, and the staff will again prosper and develop to a very much greater extent than at any time in the past.

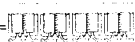
\* \* \* \* \*

Prospective Employer: "How much salary would you want?"

Wahlstrom: "Oh I don't know; what do you think?"

Prospective Employer: "Well, I'll give you what your worth."

Wahlstrom: "But I had more than that where I worked last."



## The Second Year Class

Are we in it? Well I guess. In what? Why everything.

**T**HE Sophs are leaders in all sports such as basketball, football, and hockey. All inter-class games have been put down to our credit. In fact the Freshies, Two-in-Ones, Seniors and also the Staff have decided that their efforts to defeat us are futile.

Our school basketball team is practically made up of Sophomores and the football team is composed of all Sophomores but two, so do we not excell in athletics?

We also hold in our midst, as yet unequalled talent for debating and public speaking and are once more looking forward to winning the cup this year.

If you should happen along at a certain room, almost any night between the hours of ten and eleven o'clock, you would see a sight that would make you wish you were attending the O. S. A. as a "Second Year." This is the hour of the Soph's nocturnal lunch. Everyone joins in eating and the exchanging of banter as soon as the gang arrives. The time comes when all signs of rations have disappeared; now the fun commences. The table is cleared and one of the gang mounts its top while the others find any seats available and wait with suppressed mirth for that which is to come.

Why? Because the speaker is Ron. Peake, the school comedian, one of his favorite subjects being a bit of verse from Robbie Burns. The applause of his humorous lectures is often heard over in the Girls' Dorm.

At eleven o'clock the Dean comes down the hall and the party disperses.

The Sophomores are distinguished from the rest in that they lack the greenness of the Freshies, the studious air of the Two-in-Ones, and the hard sophisticated demeanor of the Third Year. In other words the Sophs are a happy lot and sophisticated enough to enjoy life at its fullest at the O. S. A. They are a light hearted, easy going crowd, dividing their time between study and recreation.

During the term we lost two of our most popular members, one on account of serious illness. We wish him the best of luck and a quick and complete recovery.

We hope that the example set by us was heeded by the Freshies so they can pass it on next year. In conclusion we would like to wish the O. S. A. Staff, present and future students, the best of luck.

HERB CRIPPS.

## SECOND YEAR BIOGRAPHIES



ASPDEN, WILBUR HARVEY

Born at Coronation, Alberta, September 1911 and has lived there ever since. Came to O. S. A. in 1929-30 and is here again as a Sophomore this year.

Avocation: Being tubbed and scrubbed.

Hobby: Hobnobbing with Farnalls.

## BARTSCH, JOHN J.

First disappointed his parents at Majorville. He came to the O. S. A. in 1929, and is back for his second year. Whatever occupation he intends to follow we wish him success.

Favorite Pastime: Walking with "Billy"?



## BERTHOT, HOWARD S.

Slim first gazed at the stars in Hamilton, Kansas, from where he migrated to Erskine, and finally to Big Valley. Being interested in farming, we find him at the O. S. A. taking his second year. We wish him success in the future.

Weakness: Fair sex.

Favorite Pastime: Dancing.



## BICKETT, NORMAN W.

Cheerful, smiling, ever the same:  
Popular, friendly, always game.

Resides at Grosmont, Alberta, where he recently moved from Warspite. "Buck," as he is commonly known, has made many friends at the O. S. A. At social and athletic activities he plays his part. He was one of our dashing basketball forwards before he left here to look after his father's ranch up north. Good Luck Buck, we hope to see you again next year.



## BRESEE, DOUGLAS GORDEN

Doug was born in June 1912, which of course was no fault of his.

Wishing to become an expert farmer, he came to the O. S. A. in the fall of 1929. Besides earning the reputation as a good dancer and basketball player he has won the admiration of everyone. Good luck!

Favorite Saying: "I dunno."

Weakness: Smart ties.



OSA



CARLYLE, KENNETH ALLAN

"Medium of stature, broad of mind.  
Very much interested in womankind."

Ken first made himself heard in Calgary on July 21, 1911. He still lives near cowtown. There are two things for which he has a great weakness, namely: The fair sex and the other "sax."

Ambition: "To hitch up."



CASE, JOHN L.

"His friends are many, his foes are few."

John is a product of Norfolk County, England. Being of an adventurous spirit, he came to Alberta in 1928 and to O. S. A. in 1929. He is a keen athlete as is shown by his winning the championship on the Sports Field Day. Case is also an active member of the basketball and football teams.

Weakness: Brunettes

Favorite Pastime: Playing Yankee Doodle on his tin whistle.



CATLING, DORRELL CLARA

First attracted attention in Vancouver on June 23, 1911. In 1921 she moved to Leslieville, Alberta, and in 1928, Leap Year, brought her to Bowden.

Then came her period of enlightenment, and, in 1929 came to the O. S. A., where she intends to stay. Here she takes an interest in both work and pleasure.

Dorrel is one of the stars on the girls' basketball team.

Weakness: Fair curly hair.

Ambition: To be a nurse.



CHAPMAN, ERIC ROGER

Born at Miniota, Man., June 24, 1912, came to Alberta in 1926, and is now living at Rumsey. He is one of the quiet sort and knows how to mind his own business.

Favorite Pastime: Reading.

OSA

OSA

CRIPPS, HERBERT

Came to Clive in 1920, and upon hearing of the O. S. A. decided to give it the once over. Herb is a popular student on the campus. In all sports he shows himself to advantage but basketball is his favorite. Besides being a star guard on the "Aggies" he is a director of the Cafeteria and a member of the Magazine Staff. A good sort.

Ambition: 'Varstiy.

Weakness: That down-town girl.



DITZLER, LELAND P.

Commonly known as "Chum." Hails from Clive where he migrated from Saskatchewan. Chum is popular with both sex and plays an important part in school activities, being a member of several committees, including the Students' Council. He has proven himself to be a clever debater and helped in winning the cup last year. He takes part in all forms of sport especially basketball, where he stars as centre.

Favorite Pastime: Sunday walks.

Weakness: Hunting—for Rubies.



GOSLING, RAYMOND H.

Here we find Ray from Dalemead taking his second year, to increase his knowledge of farming.

"Nothing is impossible to the man who can will."

Favorite Pastime: Blowing the Sax.

Favorite Saying: "What do we have today?"



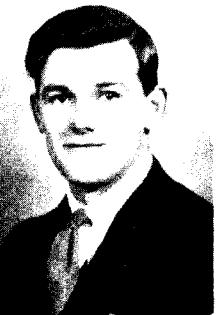
GREY, KENNETH

England on July 12, 1907 became notorious for being the birthplace of Kenneth Grey. Strayed from parents and turned up in southern Alberta. He has earned a prominent niche in the Hall of Fame since coming to O. S. A. in '29. A student and a debator of great ability, as well as being a football and tennis enthusiast.

Alf is President of the Literary Committee, spring term, and Editor-in-Chief of this publication.

Pastime: Lending a helping hand.

Specialties: Music and Art.





GROOM, ALFRED C.

Alfred helped to populate the globe by making his appearance in Norfolk, England, in 1909. Served his time and in the spring of 1925 decided to come to Canada. After looking the West over, he decided that Innisfail was an ideal place to farm. Ken is an all-round hard worker taking special interest in dairying.

Favorite Pastime: Taking girls' photographs.



GRUMBACH, ELSIE MARY.

Was born on March 5, 1911, at Rimbey. Here she spent her happy childhood days, and, thirsting for a knowledge of Household Ec., came to the O. S. A. She is a favorite in her class and makes a success of everything she does.

Favorite Pastime: Walking the railway ties on Sunday nights.

Pet Saying: "Oh! it's the weeds."

Ambition: To become a nurse.

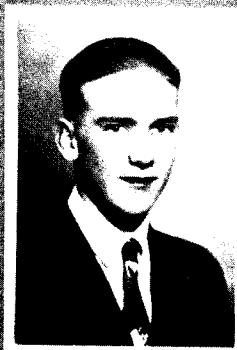


HOLMES, JOHN SPENCER

Born near Fort Saskatchewan, September 8, 1914. Spencer likes this part of the country so well that he intends spending the greater part of his life there. In 1929 he came to the O. S. A. for his first year and he must have liked it, because he came back for some more this year.

Weakness: Doing homework.

Favorite Pastime: Reading Magazines.



JEVNE, ALFRED

"Winning by nature, Alf by name.

In rain or in sunshine, he's always the same."

One of Alberta's sons who began his career in Wetaskiwin in 1913. Alf received his public and high school training in the home town but still wishing to increase his knowledge, came to O. S. A. Here's luck to one of our favorite students!

Favorite Saying: "Hurry up, Bud."

Favorite Pastime: Visiting the Girls' Dorm.

## KIRKPATRICK, HELEN MARY

"Pat" yelled her first on April 1, 1910 at Bawlf, Alberta, but really, that doesn't say anything against her.

She took her first year in '29-'30 and is back with us again to consume further in the field of Household Ec. Helen is a jolly kind and "occupies" a good deal of our pleasure.

Favorite Saying: "Soup's on, Tiltgen. Let's Go."



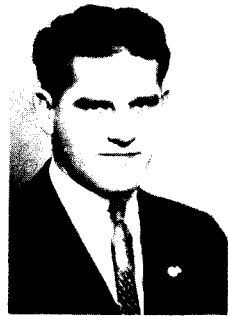
## LEE, CHARLES MARION

Charles, or better known as "Jim," made his first appearance in September, 1908. Has been kicking ever since, but will overcome the handicap. Though he is quiet we have all learned to respect him.

Favorite Saying: "I wish it wasn't getting-up time."

Weakness: Brunettes.

Favorite Pastime: Taking somebody else's girl to the show.

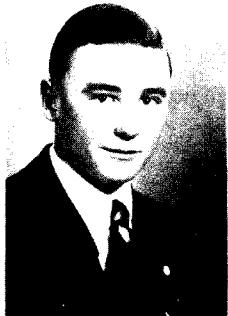


## LEONARD, EUCENE A.

Leonard, better known as "Bud," released his first squawk in Loveland, Col., in 1915. His main ambition is to grow taller and his secondary one is to grow a Charlie Chaplin mustache. His weakness is manifest in quiet ties, plump women, and blonde hair.

Favorite Saying: "What's her name?"

Usefulness: Getting Roen out of bed Sunday mornings.



## LINDEN, AGNES M.

Agnes claims she put Wetaskiwin on the cap. Like all wise young people she decided that the O. S. A. was the place to receive an all-round training. Beyond dispute, she is one of the most prominent Sophs. being Girl's Field Champion, a member of the House Committee, debating team, Athletic Committee and lastly Captain of the girl's basketball team. Keep up the good work, Agnes.

Ambition: Third Year.

Favorite Pastime: "Herding" clothes while the girls tub.





#### MADISON, RUTH

She's not very big but she's cute and she's wise,  
And she knows a whole lot for her age and her  
size.

This fair-haired maiden came to us in 1929 from Camrose, Alberta. Ruth is a popular student. Besides taking a leading part in the debates she has found time to write up the social news for this Year Book.

Weakness: Playing life's game fair and square.

Future: Success.



#### MacGREGOR, JOHN MALCOLM

Born in Michigan, 1908. Trekled West shortly after and makes his home in the Thorhild district. After some experience as a sailor he decided to attend the O. S. A. Jack showed the boys how to do it by winning the general proficiency scholarship open to first year men. Returned last fall to obtain the highest class honors at Christmas. He is at present the capable Business Manager of this Magazine and President of his class.

Favorite Pastime: Trimming his mustache.

Ambition: Varsity.



#### McFADDEN, DONALD ARTHUR

Always smiling, always gay  
Just the same from day to day—That's Don.

Hails from Lacombe. Don is a popular and important character in the activities of the O. S. A. and is liked by everyone. On the basketball floor he is one of the idols the fans love. His motto is "Varsity or bust." Cheerio and good luck old top.

Favorite Saying: "These men with their women."

Favorite Pastime: Playing Bridge.



#### McMULLEN, FRASER ALLAN

Born at Belleville, Ontario, in 1912. At the age of six he came to Alberta and settled down at Lakesend. He came to the O. S. A. in 1929. Another quiet, well-behaved type.

Favorite Pastime: Playing his portable.



## MILLIGAN, ROY E.

Roy was first heard at Invermere, B. C. in 1912. Five years later he moved to Craigmyle where he attended public and high school. Being an industrious fellow he decided to come to the O. S. A. in '29. During his spare time he may be found in the blacksmith or carpenter shop.

Favorite color: Ginger.

Hobby: Tipping beds before breakfast.

Favorite Saying: "Come on, Dora."



## MORGENSEN, RUTH MADELINE

Was first heard of at Red Willow on March 6, 1913. She came to the O. S. A. in '29 where she takes an interest in her studies and the orchestra. Ruth is also a member of the basketball team.

Favorite Pastime: Tickling the ivories.

Pet Saying: "Who's ready for school?"

Ambition: To become, for someone, a model housekeeper.



## MORROW, HILDA MARGARET

Hilda was born in Winnipeg 1912. Seven years later moved to Edmonton where she still resides. She came here as a Freshette in 1929 and came back to take her second year with us.

Hilda has capably filled position on the Social and Cafeteria Committees and takes keen interest in all social events. Her pleasant smile has won her many friends at the O. S. A.

Favorite Pastime: Walks with a certain third year.



## MORROW, ROBERT

Took full charge of his father's household, Edmonton, Alberta, on July 5, 1913. Bob joined the ranks of our freshmen in 1929. Sure he likes his fun (being Irish), but just the same he'll get there. He is inclined toward Guelph, but likes the Newspaper Game. Figure it out.

Luck to you Brother!

Pet aversion: Math.

Weakness: (That's my secret).





## NOAD, EDMUND

"Quiet, sensible, jolly, true.

He always paddles his own canoe."

Ed started his illustrious career on August 5, 1912. Living near Olds, he decided to take the course at the O. S. A. and we are sure he never regretted it as he is one of the Soph graduating class this year.

Weakness: Not sure but we think it's women.

Ambition: To produce wheat to supply elite seed for Hermen Trelle.

## PEAKE, RONALD W.

A product of the sunny south, namely Lethbridge. He came to the O. S. A., not only to study Agriculture, but to make it a more cheerful place. We were sorry to have him leave during the term on account of illness, but we wish him a speedy recovery. Ron is fond of all sports and was a fast forward on both the basketball and football teams. He is popular and capable.

Favorite Pastime: Judge of S. S. S.

## FASMUSON, EMIL B.

Em'l first began respiration at Wetaskiwin back in 1912, but finding that his domicile cramped his style he sought greater spheres. Consequently we find him at the O. S. A. enjoying life in general, especially when in the blacksmith shop.

Pastime: Helping the other fellow.

Favorite Saying: "Let's do some Math."

Weakness: A certain waitress.

## LOEN, LAWRENCE BALDWIN

This intelligent gentleman consumed the contents of his first bottle in Minnesota, 1914. Later he discontinued consumption of bottle-goods.

In 1920 Lawrence set out to look for better pasture, the choice being Alberta.

He is well liked by everyone at the O. S. A.

Pastime: Playing basketball.

Ambition: To be an irrigation farmer.

### ROWELL, E. KERMIT

First consumed oxygen in 1908 some nine miles from Olds and has lived there ever since.

Following the good example of two sisters and one brother he came to the O. S. A. for the 1929 term. Returned in 1930 and is with us as a Soph. He is very industrious and has many friends. We wish him a successful future.

Weakness: Studying.

Pastime: Hockey and basketball.



### SCHEELAR, RAYMOND F.

Ray is a dark haired youth with the right mixture of smiles, seriousness and fun to win everyone's friendship. He came to the O. S. A. in 1928 to broaden his knowledge and is with us again this year. In the spring Ray will be going home brimming over with scientific farming methods.

Favorite Pastime: Thinking of home.

Favorite Saying: "Well, let's go then."



### SHAW, JAMES

A native of Northumberland, England. Hit the trail for Canada in 1923. Since then has been working for the Government. One of the most popular students in classroom and playing field. All those who know Jim, know what a real friend is.

Come back again next year, Jim!

Favorite Sports: Football and Blacksmithing (?)

Pet Aversion: Freshettes (may be!)



### STAUFFER, MAUD CONSTANCE

Maud inhaled her first oxygen in the state of Iowa in October, 1905 and came to Canada in 1906. She took her first year at the O. S. A. in 1925-26 and is back with us again to gain further knowledge in Household Science.

Hobby: Character analysis, music, and making friends.





#### SURRATT, DONALD WAYNE

"—and still the wonder grew,  
That one small head could carry all he  
knew."

Don made his first lusty howl in Waterloo, Iowa, on August 12, 1913. He came to a better country in 1918 and now resides at Bentley, Alberta.

Favorite Saying: "A change is as good as a rest."

Pastime: Writing notes to Luella.

#### THOMAS, ROBERT J.

First kicked the blankets off his crib at Killarney, Manitoba, in 1907. Later moved to Acme where he now resides. Bob is one of our good natured, practical members of the Sophomore Class and plays his part in the social activities of the O. S. A. As president of the class, term '29, and rink manager, he has proven himself capable and efficient.

We wish Bob the best of success in the future.

Pastime: Making a swimming pool.

#### TILTCEN, EMIL W.

Made his contribution to Alberta's population in 1908. Being a product of sunny Alberta, Emil has grown to be a strong, husky fellow. Fortunately he is of a good disposition, quiet and well liked.

Morning Chore: Getting Jim and Doug up for breakfast.

Favorite Pastime: Blacksmithing.

#### WAGSTAFF, WILLIAM JOHN

"Much can be made of an Englishman if he is caught young."

Give this little man a hand! Born at Huxley, Alberta, February 14, 1914. "Bill" has a ready smile for everybody and is willing to make friends with all. His size is unique in that he is the smallest member of the Sophomore class.

In the fall of 1929 he came to the O. S. A. and since then has been as faithful to her as Abraham Lincoln was faithful to the U. S. A.

## WATT, ALEXANDER

Alex hies from Edmonton, being born there in 1911. Having an adventurous spirit like Jacques Cartier, he sped to the coast and the Western States. Later desiring a change of air, he came back to Edmonton from where he migrated to the Peace River country. Alex has his permanent address at Beaver Lodge, where he is successfully engaged in tractor farming.

Pastime: Reading "heavy" books.



## WEBBER, ALBERT J.

Judge: Next case.

Clerk: Albert Webber, born—London England, July 14, 1905; charged with swallowing a milk bubble.

Judge: Guilty or not guilty as charged?

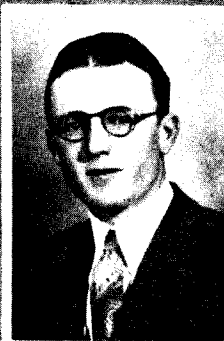
Albert (out of breathe): You must ask my girl friend.

Judge: Does he cause any disturbances among ladies?

Prosecutor: He has held hands with numerous girls at the dinning room tables.

Verdict: Guilty.

Sentence: Preserve till Leap Year when he will be placed on the market at a reduced price.



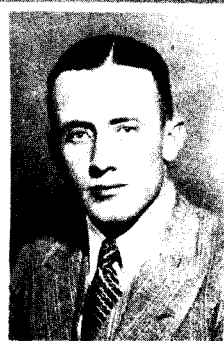
## WEBBER, CHARLES

Charlie was born in London, England in 1907. Two years later under parental persuasion, he emigrated to America and settled in the Stettler district where he still makes his home. Charlie has shown himself to be an excellent student, and plays an active part in all school activities.

He has capably filled positions on various committees and takes a great interest in all social and athletic events.

Favorite Pastime: Looking for an "Olive."

Ambition: 'Varsity.



## WRIGGLESWORTH, J.

Was born in Bradford, England, later coming to Canada. Hearing of O. S. A., he decided to take a course in Agriculture. This year he is one of the happy graduates of the Sophomore class.

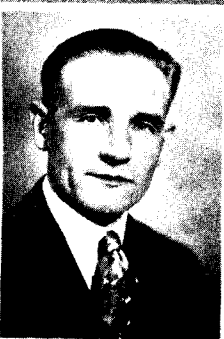
"Sid" always lends a helping hand to us and is prominent in school activities.


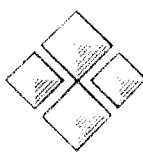
Favorite Saying: "Oh, here she comes."

Favorite Pastime: Dancing.

Future Ambition: Nobody knows.

Weakness: A certain "stenog."





## "Only Grass"

By L. B. THOMSON

**W**HEN one considers the economics of any business, the first step is to study the resources which provide the raw material for the manufacturing of the saleable product; then, it is necessary to study the various factors which affect the economic structure of the business. The livestock industry of Western Canada is no exception, particularly with the growing of sheep and cattle. The grass provides the raw material for the manufacture of beef, mutton, wool, and dairy products. Yet very little thought is given as to how this raw material may be conserved or improved so as to increase the income from the farm or ranch. Considerable attention has been paid to the development of cultivated plants on tillable land, but very little attention has been paid to the improvement of our native grass lands.

In Western Canada there are still large areas of land devoted to grazing. In Southern Alberta and Southern Saskatchewan there are over ten million acres of land entirely used for grazing. Then, in the central and northern parts of the two provinces, there are still scattered among the farming areas a large amount of pasture land which is not farmed because of its topography or physical conditions. In British Columbia there are millions of acres of land which, as yet, are untouched from the standpoint of livestock production.

The history of Agriculture in other countries has shown that the grass-land farming still holds an important place in agriculture. In Great Britain forty percent of the land area is grass. In the United States it has been estimated that seventy percent of the feed for all livestock in the eleven Western States is grass and other native plants. In New Zealand and Australia grass is the soul of production, and is the medium through which their exportable products are marketed. Grass has enabled them to place on the world's markets a good quality product at a low cost of production. Grass has been the very root and foundation of their industry. A British writer has described grass as the "soul of England." Only grass! Yes, the stuff we wipe our feet on in this country.

Two of the strongest competitors for the selling of livestock products on the domestic market today are New Zealand and Australia. Due to their low cost of production, they are able to ship lamb, mutton, beef, and butter to the Canadian market at a profit. There is a reason for this low cost of production. First of all, with New Zealand, her climate is very favorable for growth and no severe winters are experienced. The eastern portion of Australia has a favorable climate, but the western portion is very dry. While the climate is in their favor, the fact remains that they have made much progress in the improvement of their pasture lands, no matter whether it be in the range country or the farming areas. This improvement has resulted in a greater output of farm products from the same area of land.

When studying the factors that influence the economic structure of the livestock industry in Western Canada, one is immediately confronted with the high cost of feed in either growing an animal or in the finishing of that animal for market. It is fully realized that this is accelerated by the severe winter conditions, and that the high cost of feeding stock cannot always be avoided. At the present time feed prices are low, but this will not always be the case. Wherein, then, are there any possibilities in lowering the cost of production of cattle and sheep on either the farm or the ranch? It is apparent to the writer that the improvement of grass can only play an important part. At least it brings up a question which gives considerable food for thought.

In the Western States, considerable improvement has been brought about by the following of a definite program of grass-land research. The carrying capacity of the Forest Service lands, which comprise around a hundred million acres consisting of prairie regions as well as mountain areas, has increased about twenty-five percent in



## The Two-in-One Class

Now there were but ten and three which did seek. The men were strong of body, soul and language, and the maidens were both fair to look upon and sober of mind. Day by day they trod the straight and narrow path between M2 and D1 in their unquenchable thirst for knowledge.

Many came to aid the Searchers in their quest. One Holeton—skilled in all manner of woodwork, did teach them to put together a house secure against the storm and flood and to fit it with all manner of devices to give health and comfort. One skilled in the ways of nature did advise them in the growing of all manner of herbs.

The fair ones did learn from those skilled in their crafts of the making of all clothes, and the value, preparation and serving of all manner of foods.

The same year the husbandman failed to prosper, the wheat lay in bins without buyers, the cattle and swine were a burden on their hands. But there came a learned teacher with a lean and hungry look—one Phillips, who taught them concerning market demands, the preparation of products and the way to be co-workers one with the other.

And so through the week they progressed, and on the sixth day they rested. As darkness fell a murmur arose concerning a certain game—basketball. There was much leaping and shouting and turmoil. But the Seekers were sad for they had fallen before their adversaries "The Crocks"—a team old and wise in the ways of the game. But their sadness did turn to joy when in hockey these opponents met defeat.

It came to pass that in five months they found that for which they had sought. Their diplomas with writing and seal thereon proclaimed to all their great learning. And all were happy.

Such was the "2-in-1" class 1930-'31.

J. ALLAN MURRAY.

NOTE:—"The Crocks" was the basketball team put up by the staff.

## TWO-IN-ONE BIOGRAPHIES

DAVIDSON, EDWIN N.

Admits being born in Coaldale, back in 1913. "Red" took his public and high school here and then came to the conclusion that he was sufficiently full of knowledge to try the O. S. A. One of those who will try anything once. He plays at basket ball, hockey, and love. A ready tongue, a ready smile, and a cheery disposition have helped him win many friends.

Favorite Saying: "Oooh! Marge."

Ambition: Red Deer and ————?





EARL. RONALD

One of the industrious Two-in-Ones. Ronald first began to show signs of life on March 2, 1912, in the town of Olds, and is still going strong. He wasn't satisfied with a high school education so is taking the Agricultural course at the O. S. A. "Ronny" is an enthusiastic basketball and hockey player and supports his team very efficiently.

Weakness: The opposite sex.

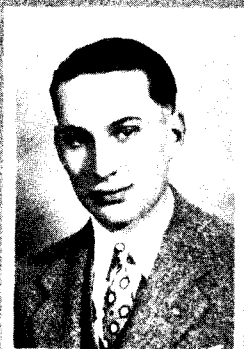
Favorite Pastime: Whistling love lyrics.



EKISS, FRED

Born under the Stars and Stripes on August 27, 1913 in Washington, U. S. A. "Ekie" is quite a character, especially in Chem. and Soils Lab. where he changes the expressions on his face about every two seconds. He has a "good understanding."

Weakness: Grinning.



MANNING, JACK C.

Born in Red Deer in September 1910. This youngster took public and high school at Deburne; still unsatisfied, came to the O. S. A. for more. Jack is of a bright genial disposition and has many friends. He is a member of the worthy Two-in-One class; takes an active part in school life, playing hockey, tennis and basketball. Yes, he's on the Literary Committee and besides attends dances and social functions regularly.

Future: U. of A.



MILLER, FRED N.

Act 1—Born: Irvine, Alberta—1907.

Act 2—Cultivation: Scene 1—Miller S.D., Cypress Hills. Scene 2—A. H. S. Medicine Hat. Scene 3—S. H. S. Edmonton. Scene 4—Camrose Normal. Scene 5—O. S. A.

Act 3—Pedagogy: Sedalia, Lovett, Calmar, Edmonton.

Act 4—O.S.A. Uses: Editor of this Year Book; member of the Students' Council.

Act 5—Ambition: 'Varsity—Courses—Agriculture and School of Education (maybe).

Act 6—Weakness: "V. G's" on inspectors' reports.

Favorite Saying: "Hey, Agar we've got the best place to stay of the whole shooting match."



## MURRAY, J. ALLAN.

Allan came in with a chinook in 1912 at Suffield. No small wonder there are no cobwebs in his brain. Later moved to the "H.L." where he received most of his public and high school education. In the summer of 1930, came to Olds with our new principal. Allan intends going to 'Varsity next fall and we feel sure that his personality, energy and cheerful smile will win him success and many friends.

Ambition: Degree—M. D.



## SECOND, DORIS MARY

First opened her laughing eyes in Toronto, 1912, and is now living in Calgary. She showed her good judgement by coming to the O. S. A., where she is enrolled in the Two-in-One Class. Doris is exceedingly fond of dancing and skating.

Favorite Pastime: Kidding certain second year men.



## SHACKLETON, EVELYN

Evelyn first cried, "Mamma!" in 1910 in the town of Olds, where she still resides. After completing her grade eleven at Red Deer she came to the O. S. A. enrolling as a Two-in-One.

Favorite Pastime: Skating and dancing.

Weakness: A certain third year.

Favorite Saying: "Let's go kids."



## TALLMAN, ADRIAN M.

First tuned up his loud speaker on August 17, 1914, near Red Deer. He has the honor of being the only student during the terms '30-'31 who could hit himself in the eye with his knee while performing a hand stand.

Favorite Pastime: Wearing out sofa covers.





TAYLOR, MARY ADELINE

Born in Vancouver, B. C., April 30, 1911, and later moved to Edgerton, Alberta. Entered the O. S. A. with the 1930 Class of Two-in-Ones. Mary is a valuable member of the Student's Council and is a friend to everyone. Varsity is Mary's goal and we certainly wish her success.

Motto: To play a good game always.

Pet Aversion: None. Mary couldn't hate anything.



TILTGEN, HELEN MARY

First started to make a noise in 1912, in the town of Ponoka. Decided to better herself and so came to the O. S. A. enrolling as a Two-in-One. Plays forward on the basketball team, where her 160 lbs. moves all movable objects. Helen is also on the Athletic Committee for the spring term.

Favorite Pastime: Going to church with "Skeet."

Favorite Saying: "I've got so much to do."



URE, RAY

Began his career in 1908. Here we have a true Albertan hailing from Delburne. Ray is the idol of the Two-in-One Class, proving above the ordinary in intelligence and sports. We are glad to note his rise to fame in basketball. With his cheery disposition and generous congeniality, Ray will prove an asset wherever he is. All-round and four-square, a true gentleman and friend.

Weakness: It isn't women.



WHEELER, LINCOLN

"Skeet," as he is commonly known was first placed on the market at Libertyville, Illinois, in 1913. He moved to Dalemead, Alberta, in 1916 where he received his public and high school education. Last fall he became attached to the O. S. A. for reasons unknown. Besides being an active member of the school orchestra, he takes a prominent part in sports.

Weakness: A certain Two-in-One.

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POULTRY



ANIMAL HUSBANDRY

OSA

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## The Freshmen

FOR the first few days at the beginning of the Fall Term, we ardent students of the First Year Class, usually known as Freshies, were inclined to feel a little homesick. However, after the initiation ceremony, in which among other things, we were ordered to obey the commands of the Sophomores for three days, we all settled down happily, rapidly becoming acquainted with the other students of the School.

At first the days dragged slowly by, but soon the weeks seemed to take wings and now the end of the term is rapidly approaching.

We have all had the opportunity to obtain a great deal of useful knowledge in this Institution. Let us hope that everyone will go home and prove to their parents that it has been well worth their while to send them to this School. There are many ways in which this can be done; perhaps for instance some insect is damaging the crop. The Freshie is able to find out to what order the insect belongs and can then find out a way of controlling them. He might be instrumental in preventing the sowing of some noxious weed, or, if necessary, he may become carpenter and build a useful shed.

The Freshies have taken their part in all school activities. Although we were not able to make a very good showing on Field Day, yet we possess some star basketball players, fearless wielders of the hockey stick; to say nothing of the musicians who help to make the orchestra a success.

In conclusion we hope that conditions will permit many Freshies to return for their second year next fall.

P. H. WALKER



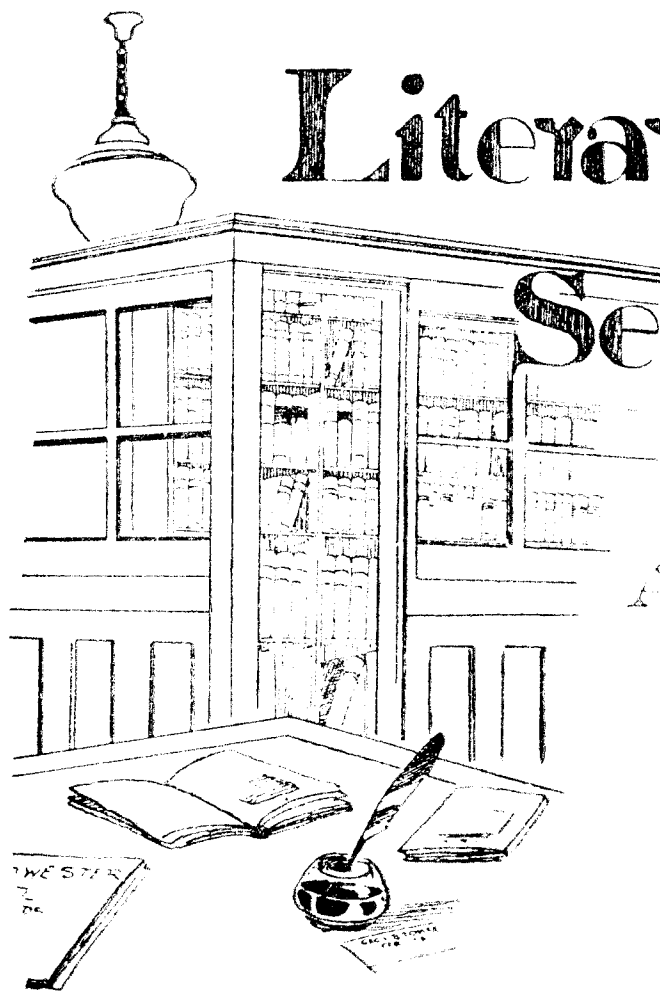
FIRST YEAR STUDENTS

Literary

Section

and

Social  
Activities.





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WINSTON McELROY, 1st Year  
Sec. - TREAS.



MERRILL HIMMELSICH, 2nd Year  
PRESIDENT



IRENE THOMAS, 1st Year  
VICE - PRESIDENT



ALAN ANDERSON, 2nd Year  
COMMITTEE



CHARLIE WEBBER, 2nd Year  
COMMITTEE

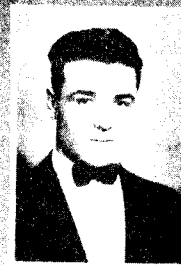


RUTH MADISON, 2nd Year  
COMMITTEE

# 1930 LITERARY COMMITTEE 1931



VERNON SMITH, 2nd Year  
Sec. - TREAS.



JACK HANNON, 2nd Year  
COMMITTEE



VERNA LORD, 1st Year  
COMMITTEE



ALFRED BROWN, 2nd Year  
PRESIDENT



HELEN BROWN, 2nd Year  
VICE - PRESIDENT



JACK HANNON, 2nd Year  
COMMITTEE



ALFRED BROWN

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## The Literary Committee

**T**HE duty of the Literary Committee, as the name implies, pertains to practically all the literary work of the school. This includes the arrangement of the Literary programs for Friday afternoon, securing outside speakers and arranging debating schedules. It also sponsors the Public Speaking Contest.

The Friday afternoon Literary program is the most important of these. It is regarded as a regular part of the school work and attendance at it is compulsory. The Lit. affords an opportunity for students to receive practice in appearing and talking before large audiences. The program consists of items, such as recitations, musical selections, speeches (impromptu and otherwise), plays, and lastly the reading of the "Chinook" which summarizes the school events for the week.

The final and semi-final debates are held at the Literary meetings. Each year is represented by its strongest team and those who are able to score the highest points win the cup donated for annual competition.

The Public Speaking Contest is purely a voluntary one. Prizes are offered to the winning competitors, and anyone who so desires may enter. This gives those participating a splendid practice and training in public speaking.

The winners for this year are: 1st, Allan Murray; 2nd, Boyd Cuthbertson; 3rd, John Case; 4th, Albert Webber.

MERRIL HIMMELREICH.

## The Outside Speakers

APART from our social functions it has been our privilege to hear speeches from several prominent men who visited the School. Among those were, Mr. Roy Smith of the I. H. C. farm at Gull Lake, Sask., who gave us an interesting talk on "Diversified Farming;" Mr. W. D. Bailey, Director of Temperance Education for the Province of Manitoba, who gave us a very interesting and illustrative lecture on "Temperance."

We have also been favored with some very interesting and inspiring talks given by several of our Government officials. Mr. H. A. Craig, Deputy Minister of Agriculture found it convenient to visit us early in the term, on which occasion he was good enough to give us a short address. Early in the spring term some of us were privileged to hear a short lecture by Dr. Talbot, Provincial Veterinarian. Some time later we had as visitors our minister of Agriculture, the Hon. Geo. Hoadley, Mr. H. A. Craig, Deputy Minister and the Hon. Robert Weir, Minister of Agriculture for the Dominion. The Hon. Mr. Hoadley gave us a short address on Agricultural conditions in the Province, and also pointed out the fact that we were fortunate in being able to attend this Institution in view of the present economic conditions.

We also expect a visit from both Benjamin Lawton, Provincial Game Guardian, and Dr. Ross from the Department of Health, Edmonton.





## W. H. Fisher---Historian



**I**N THE mind of the average individual the word "History" recalls dry untelligable material and innumerable dates, but to the students of the O. S. A. 1930-31 the word brings to mind pleasant Sunday evenings spent in D1.

This unusual interest was introduced and stimulated by Mr. Fisher, who, on three occasions, gave us stories of Scottish History.

The first of these "William Wallace" was given in the fall term and was pronounced excellent by one and all. Secondly was "The Black Douglas and Stirling Castle" after which the series was concluded with "Macbeth."

Perhaps the latter story gained the most applause because of its intensely thrilling nature, but on each occasion the appreciation of all was very evident.

Mr. Fisher, because of very wide reading, was in possession of many facts new to us which had particular bearing on these old stories. As we listened to the brave deeds of the men of old, we felt more than ever our obligation to them for founding the free life that we enjoy.

The Literary Committee extend their sincere thanks to Mr. Fisher for his valuable work, and the entire school Staff and students, hope that they will be privileged to listen again in the near future to "Our Historian."

\* \* \* \* \*

## Social Activities

**A**NOTHER page of Social history has been written. The year that has passed has been a singularly successful one and one which speaks well for the Social Committee.

A closer unity, the natural outcome of a continued fellowship, has done much to improve the social spirit of the student body. The need of it and the value it offers us for the future cannot be too deeply impressed upon our minds.




There is an old saying "Opportunity is just around the Corner," which does indeed hold true to the social opportunities offered the students attending this Institution. We understand that one of the chief objects of the course here is to give us a good training in the duties and relationships of one person to another. A moment or two in retrospect would certainly convince us that at least this phase of our college life has been crowned with success.

In spite of what we have missed, we have all profited in some measure from our associations of the last five months. We have come in contact with men who have come from distant places, and some who have spent some years of their lives in other countries. We have been enabled thereby to obtain a panoramic idea of what lies beyond our own horizon, to realize that there is something in the brotherhood of men. Furthermore we have learned to be tolerant of other men's opinions, and at all times to be willing to give some new thing earnest consideration.

Again this year, as in any other years, we will endeavor to give, in short, a concise account of the social activities at the O. S. A. 1930-31.

RUTH E. MADISON

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# OSA



FRED BROWN 2nd Year  
PRESIDENT



FRED BROWN 2nd Year  
PRESIDENT



HILDA MORROW 2nd Year  
VICE-PRESIDENT



ALBERT WESBER 2nd Year  
COMMITTEE



LOUIS DAVIDSON 2nd Year  
COMMITTEE



VELMA LEESON 1st Year  
COMMITTEE

# 1930 SOCIAL COMMITTEE 1931



RALPH VADEN 1st Year  
SECRETARY



LAURA WAGSTAFF 1st Year  
COMMITTEE



MAX GOOD 2nd Year  
COMMITTEE



HERB CRIPPS 2nd Year  
PRESIDENT



DORIS SECORD 2nd Year  
VICE-PRESIDENT



RUTH MADISON 2nd Year  
COMMITTEE

- McDERMID'S EDMONTON -

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## The Staff Reception

ON NOVEMBER 3, we had occasion to assemble at the first of a long series of social functions—the Staff Reception.

The Gymnasium was very artistically decorated, and the lighting effects were very beautiful. In general the atmosphere seemed to be one of welcome, especially did it seem so to those making their first debut at the social activities of the O. S. A.

At the functions such as these it is necessary to provide some means whereby the new students may become fairly well acquainted with one another, as well as with the older students and their teachers. To make provision for this the Staff had planned and arranged for a number of very interesting contests and games. Then in the way of something different they put on a play entitled "The Fatal Quest." This was well received by all present and served to put them in a brighter mood for the lunch that followed.

After supper there was dancing, the music being supplied by Mr. and Mrs. Holeton, Miss King and Mr. Hoover.

At the close of the evening many of the students had gained a much better conception of their School, its Staff, and their friends to-be. Indeed the evening was quite a success and it had gained its objective—it had created a very favorable impression.

## The Class Dances

THE Friday following the Staff Reception the Third Year Class was in charge of the entertainment. A few games opened the evening shortly after which the floor was cleared for dancing. Music was provided by the School Orchestra under the direction of Mr. Holeton. As the Seniors are a hundred percent male class they are to be highly commended on their delightful supper and programme for the evening.

A "Novelty Dance" was given by the Second Year and Two-in-One Classes the following week. There was an evident indication of artistic taste on the part of those who were in charge of the evening for the hall was prettily decorated with the school colors. The Elks' Orchestra provided the music for the occasion.

Last, but not least, we must pay due credit to the First Year Students, whose pleasure it was to entertain us the Friday after the Novelty Dance. It seems that the Freshmen were certainly trying to follow the example of the Sophomores and Two-in-Ones, for they too did hire an outside orchestra. Perhaps the outstanding feature of the evening was the balloon dance. The first prize was won by Dorrell Catling and Norman Bickett.

## The Christmas Entertainment


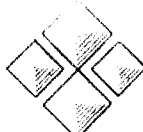

UNDOUBTEDLY the most enjoyable event of the season was the Christmas Tree, which closed our fall term, on December 21. The characteristic free spirit was somewhat shadowed the last two weeks by the presence of the term exams, but joy and merriment soon drove away all such reflections once we were on the threshold of departing for our holidays.

By eight-thirty the gym was filled to capacity with students and visitors patiently waiting for the commencement of the evening's program.

Soon the curtain was drawn and the program was off to a merry start. Among the first items were some Christmas Carols, sung by a group of O. S. A. students. Then we had a short address from Cal. Fairbanks on the behalf of the Students' Council, after which George Chattaway recited "The Ballad of Christmas."

Mr. Murray next presented the prizes and scholarships to the student winners of the Second and Third Year Classes.

This ended the first part of our programme, but soon Santa was heard with his rein-



deer and sleighs. All eyes were cast toward the entrance. Silence reigned! Louder grew the jingle, and shortly Santa, with his two Eskimos, entered on the scene. Loud and superlative was the applause which marked his coming. After the sudden outburst of joy had ceased Santa wished us all a very Merry Christmas. So pleased was he with us all that he wasted no time in distributing the parcels off the tree. In the meantime his two Eskimos had been diligently allotting each his share of nuts, candy and oranges.

Soon the floor was cleared and the sounds of sweet music penetrated the atmosphere. Yes, there was dancing; merry was the time that was had by all.

How fast the time did fly! Soon we had to part, each one to his or her destination. Whatever may be said or remembered, it may be truly stated that each and all had a wonderful time.

## The Alumni Reunion

THE Semi Annual Reunion of the Alumni was held on January 5. This event opened the Spring Term. In the afternoon a Seed Fair was held and a showing of the Girls' Experimental work.

At 7 o'clock all students and visitors joined in the banquet held in the Dining Room. Following the banquet short addresses were given by Mrs. E. Wilson and Messrs. T. Sigurdson, F. H. Reed, F. S. Grisdale, M. L. A., A. Speakman, M. P., and L. Phillips.

A dance in the gym after the banquet provided further entertainment for the students and ex-students who were renewing old acquaintances. Music was supplied by the Elks' Orchestra.

## The "Misfit" and "Mismate" Dance

THIS was, without a doubt, one of the most enjoyable and interesting dances of the year. Costumes of all descriptions, sizes and shapes were worn. Upon further observation it was quite evident that originality had been the object of all the dancers.

As the dance got under way the judges endeavored to choose the best and the most original make-up, but found their task a very difficult one. A grand march was announced, and after some time the final decisions were reached. The prizes went as follows:—"Mismate Costume," Mary Taylor and Jack Case; the "Misfit Costume," Sadie McComb and Jim Shaw.

Music was provided by the School Orchestra, directed by Mr. Holeyton. Later in the evening lunch was served, after which dancing continued until 11:30 when we all went home feeling satisfied that we had had one grand time.

## The Committee Dances

THE Athletic Committee has also played an important role in our social functions. On two separate occasions we had the privilege of being entertained by them.

The principal item at the first dance was the presentation of the Cups and Ribbons to the field day champions and winners. We were glad to have with us Mr. and Mrs. Grisdale who kindly consented to present the prizes,—Mr. Grisdale to the girls and Mrs. Grisdale to the boys.

The second entertainment of the Athletic Committee was the Whist Drive and Dance. Jim Lee was the winner of the first prize for the Whist Drive and Bell McCready took the Booby Prize. The usual lunch was served at both of these occasions.

Not to be outdone by the Athletic Committee, the Literary Society accepted the responsibility of putting on the next pleasureable function. Mr. Gibson kindly consented to give a lecture, illustrated by lantern slides, on Mountain Climbing in the Rockies. After the completion of Mr. Gibson's talk a few Moving Pictures were shown of the O. S. A. in past years. This was followed by a supper and dance.

## The O.S.A. Orchestra

**T**HE school orchestra has for its aim first, to supply reasonably good dance music at a minimum cost to the student body, and second to improve and develop the talent of those taking part.

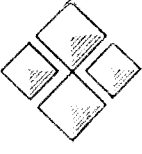


Both these aims have been accomplished in large measure, as the orchestra has been voted the best in years. The orchestra was fortunate in having as members some more or less seasoned musicians which together with those having last year's experience permitted a good getaway. Some of the members are able to double on a number of instruments so that opportunity is given to each member to have an occasional dance. With the exception of a few dances early in the fall and the Dorm dances this orchestra has furnished all the dance music at the School this year.

Only enough is charged to cover cost of music, supplies, such as strings, reeds, etc., and an occasional dollar dividend to cover wear and tear on instruments and on the individual.

The personnel and instrumentation of the orchestra is as follows: Violin, Miss M. C. King, Verna Lord and Freddie Miller; Piano, Ruth Morgensen and Lincoln Wheeler; Saxophone, Kenneth Carlyle; Trumpet, Alf Jevne; Banjo, Worthy Hoover; Drums, Ellwood Irwin; Clarinet and Leader, Geo. R. Holeyton. The members of the orchestra have sown a splendid spirit of co-operation which has helped to make the duties of the leader a real pleasure.



*Sitting:* Left to right, V. Lord, K. Carlyle, E. Irwin, W. Hoover, F. Miller, E. King.  
*Standing:* Left to right, G. R. Holeyton (leader), L. Wheeler, A. Jevne, R. Morgensen.



## The Dorm. Dances

ON FEBRUARY 6, the boys of the Dormitory held their fourth annual dorm dance. The gymnasium was artistically decorated in the school colors: blue and gold. Long streamers formed a low arch over the dancers which gave everything an appearance of beauty and color. Especially did it show to good effect during the shaded moonlight waltzes.

The music was ably rendered by the local Elk's Orchestra and to which dancing was thoroughly enjoyed by the students and visitors. At 11 o'clock a tasty lunch was served after which dancing was continued until 1:30. Soon groups of tired boys and girls were seen wending their way homewards carrying with them pleasant memories of an evening long to be remembered.

Judging from the remarks of those who were present we believe this dance added another to the list of successful dances put on by the boys. The committee in charge is to be heartily congratulated for their hard work in making this function a success.

On Saturday, February 14, the "fairies" (?) of the North Dormitory treated us to a Masquerade dance which was one of the best entertainments that we have had during the spring term.

The girls decorated the gym very beautifully; valentine suggestions being predominant. The arrangement of the balloons that hung from the ceiling was also an added attraction.

When the dance started at 7:30 there was a splendid display of good costumes which were original, comical, and old fashioned. With the old fashioned costumes one involuntarily had the feeling of being put back a couple of centuries.

Six prizes were offered by the girls; two for the best costumes, two for the most original and two for the most comical.

Several outsiders came as guests, three of which acted as judges, namely: Mrs. Grisdale, Mrs. Hodgson, and Mr. Edwards. The judges who had a difficult task in making the decisions, awarded the prizes for the best costumes to Mrs. Readwin and Ray Ure; the prizes for the most original Costumes to Miss Bessie Cook and Jack Case while Mrs. Jackson and Kermit Rowell got the prizes for the most comical costumes. The prizes were presented by Mrs. Grisdale.

About 10 o'clock a most delicious lunch was served by a committee of girls. During supper the "Queen of Hearts" distributed valentines among the staff and students.

Everyone thoroughly enjoyed the evening. Even those who didn't dance had the plenty of fun watching the dancers and studying the different costumes.

When the bell rang at 11:45 a feeling of appreciation and goodwill was expressed by three cheers for the girls.

## The Cafeteria

THE O.S.A. Cafeteria is under student management with a Staff member as Supervisor.

Its purpose is to furnish the student body with refreshments at the lowest possible price and at the same time serve as a binding link for the student body. Profits are not the object of the committee, but when there are profits, these are used to give some form of free entertainment to the students before the close of the term.

This year the Cafeteria has operated on free-nights and the doors have been opened almost every Saturday evening to do business. Owing to the financial depression, the student body at the O.S.A. has been somewhat smaller this year. As a result on evenings when our athletic teams were playing games out of town, the committee found it advisable to dispense with the Cafeteria. This, however, happened only on a few occasions.

The Cafeteria executive for the term was R. Hoagland, President; Herb Cripps.



# Alberta's Fish and Game Resources

*Past, Present, and Future*

By CHARLES A. HAYDEN, *President, Canadian Fish and Game Association*

WERE I to tell you that if every licensed hunter in the United States alone were to get his bag limit of wild ducks and wild geese in a single day, every one of these birds on this continent would be destroyed and the bag limit would be only about half exhausted, you might think I was exaggerating conditions. Yet the United States Biological Survey, which has been conducting an investigation respecting the wild duck and wild goose situation, is authority for this statement. It is not an exaggeration. There were six and a half million licensed fowl hunters in the States last fall. The bag limit was fifteen ducks and twelve geese a day, or a total, if the hunters got their limits, of 175,500,000. Yet the U. S. Biological Survey on the basis of its census reports, gathered in Canada and the Republic, figures that the wild duck and wild goose population of North America ranges between eighty and a hundred million, or approximately half one day's bag limit.

The trouble with comparatively new countries is that we wait until conditions force action to take conservation and propagation measures. The wild pigeon, which once inhabited North America in countless millions, is completely extinct. The same fate would have befallen the buffalo, the antelope, the elk, the muskox, and our own sharp-tailed prairie chicken and ruffed grouse, if definite conservation measures had not been undertaken in the last few years.

Comprehensive, organized scientific measures must be taken if the wild duck, the wild goose, swan, and other aquatic wild fowl and shore birds are not to be exterminated in North America.

This is plain talk, but the crisis is so acute that plain words are necessary and back of these words, prompt vigorous action in Canada and in the United States, is even more necessary.

Conservation and propagation campaigns in respect of these invaluable natural resources—fish and game—are becoming world wide. Even in the wilds of Africa it is found necessary to guard big game with rigid regulations.

With the tremendous expansion of transportation facilities represented by railways, good roads, automobiles, steamship lines, and airplanes and particularly with the extension of good roads and the increase in the use of automobiles, people the world over are following their natural instinct and inclination to hunt and to fish. The six and a half million licenses issued to hunters in the United States last fall, the ten million licenses issued to anglers in the same year, the three thousand and angling licenses issued last summer to Calgary sportsmen—these figures indicate and emphasize the growing pull which fishing and hunting are exercising over our people.

And this brings us to the question of what are we going to do about it? The adequate answer to this question can only be furnished if every sportsman and sports-woman in Canada and in the United States co-operate in a constructive campaign. It is not sufficient to conserve by means of limited bags and shorter seasons. There must be propagation. The considered opinion of those in Canada and the States, because both countries are associated on account of migration, particularly with respect to waterfowl, and also in point of parallel crisis or conditions, this considered opinion is that the following constructive measures are imperatively necessary:

1. Rigid protection of breeding grounds.
2. More sanctuaries.
3. Game farms.
4. Public shooting grounds.
5. More game fish hatcheries.
6. Modern scientific methods in rearing fish before stocking streams and lakes.
7. More rigid regulations aimed so far as they can function to promote conservation.
8. Extermination of pests.

We cannot conserve and we cannot assist propagation, unless we combat the

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owls and hawks, weasels, coyotes and with regard to the waters, suckers, pike and bull-enemies which prey on our wild life. These pests include magpie and crow, certain trout, also pollution, illegal netting and dams. In any policy which may be enacted, the extermination of these pests must be a primary consideration.

The advance of population into what have hitherto been wild lands handicaps Mother Nature, and in North America this handicap is so severe that Mother Nature must be helped. Canada's National Parks operate quite competently in this respect but even in these parks there must be improved, scientific systems of administration. Provision should be made for feeding in bad winters, for the extermination of vermin and for the splitting up of animals to prevent inbreeding.

Game farms, game sanctuaries, game fish hatcheries and game fish rearing ponds are absolute essentials if our natural resources in the form of wild life and in game fish are to be retained and increased. The federal government and the provincial governments have their obligations and are beginning to realize them but the individual sportsman and sportswoman, especially those who look to the future of these resources, must bear a due share of the responsibility.

So far I have given you a lot of bad news,—but I have not painted the picture too blackly.

Let us consider some of the encouraging developments. May I state that in one stocking project, Calgary and Alberta lead the world. I refer to the stocking of Hungarian partridge by Calgary sportsmen in 1908 and 1909. These fellow citizens of ours first put out 70 pairs of birds and later 270 pairs from Hungary. Still later, Edmonton sportsmen brought in 115 pairs. The way these birds have flourished and the way they have spread can be regarded as little short of marvellous. No where else in the world has a stocking experiment been so completely successful.

The Huns are the finest game birds in the world. They make the best kind of hunting for field dogs, the trickiest kind of shooting for the nimrod, an unsurpassed table delicacy if and when shot and perhaps equally important, they are the farmers' friends, as almost their sole diet is weed seeds, varied with insect life.

With regard to game fish, Alberta anglers need have no apprehension. The supply will increase from year to year. But what we do need, if our waters are to be populated in accordance with the growing angling urge, is more hatcheries, more stocking fish and more rearing ponds.

Now a word about Alberta's game life—waterfowl, shore birds, upland birds and big game. The duck situation, I have already reviewed. I may mention that about 5,000 ducks wintered in Chin Lake near Lethbridge, about 800 in Col. Walker's sanctuary and 500 in Sylvan Lake. Of these, we have definite knowledge and here in itself is a valuable seed supply for 1931. But there will certainly be extinction of ducks and other waterfowl, if prompt and competent measures are not taken. I leave this thought in your mind.

The big game supply is fairly well assured as the animals are completely protected in the National Parks and move out from these parks to the areas where they may be shot under licenses. There will always be a good supply of these animals, but there will be a larger supply with the feeding and pest extermination handled adequately.

As for game fish, in the tributaries of the Red Deer river and other streams north of it, brown and loch-leven trout have been planted and after five years' work, are beginning to show good results.

Speckled trout have been placed in some of the lakes in Banff National Park and in the Maligne Lake and are doing extremely well. Then in various lakes stocking of perch, pike, and a few isolated areas, bass, has been carried on. Perch and pike stocking is a comparatively easy matter insofar as results are concerned, but the results of the bass stocking have yet to be established.

There are two federal hatcheries in Alberta, both in the National Parks. One at Banff and one at Waterton. That at Banff will distribute about 2,300,000 trout fry, including loch-leven, brown rainbow and cut-throat this year. I may say that the

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Banff hatchery officials have been experimenting with rearing trout and report a fine growth in five months.

We can do more towards rearing game fish and enlarging the supply than we can with respect to game birds and game animals. Alberta's system of fish stocking is simple and effective. Tributary streams to the main streams are closed permanently. Streams in the forest reserves outside of the main rivers, are closed permanently and in all closed waters the stocking is done.

Alberta has pioneered in many respects in fish and game conservation. It has pioneered in the movement looking to the movement of a Dominion wide fish and game association. The Calgary association has been a pioneer. The Alberta association, which now has fifty branches, was organized through the efforts of the Calgary association. The Canadian association was instituted through Calgary effort. That pioneering spirit remains with us. There is a great work yet to be accomplished. We have barely started in the conservation and propagation of our invaluable fish and game resources. The measure of that responsibility bears on every one of us. We have in Alberta veritably a paradise for fish and game. Shall we let it go to waste? For the creation of this paradise, I ask your support and sympathy.

\* \* \* \* \*

#### CAFETERIA — *Concluded from page 52*

Secretary-Treasurer and a chosen Committee. The menu included hot-dogs, apple pie, a la mode, and coffee.

We all feel that the Cafeteria plays an important part in the social life of the school and should be encouraged each year.

We take this opportunity to thank staff members and students for their much appreciated support.



CARPENTRY — FIRST YEAR MEN

# Home Service

*What It Is, and What It Does*

By JANET BROWN, *Home Supervisor, Land Settlement Branch, Calgary*

**H**OME Service is the Women's department of the Soldier Settlement Board of Canada. It was organized to assist newly-arrived Settlers from the Old Country, to help them with new methods of housekeeping, to encourage the women to take an interest in poultry and the garden and help those who are despondent or sick.

Will the reader accompany the Home Worker on some of her visits. Our first call is at a home where we have an excellent type of family, the mother happy and contented with her new life but a little bewildered at the difference in methods of housekeeping here. She is having difficulty with the stove—at home she was used to a large open fire; here she cannot get the fire to burn at all. We proceed to show her how to regulate the drafts and explain these to her. The ashes are removed and the top of the oven cleaned off. A good fire is soon burning and one knows that there will be no further difficulty here. Another problem, however, is the making of bread. She has not been used to this and does not know what to do with the dried yeast supplied by the store. This is placed to soak and, before we leave, a sponge is prepared and detailed instructions given how to proceed in the morning. We promise to call in if possible and help her make up the bread.

We discuss methods of making the house more attractive and homelike. Screens are advised for windows and door, and until the money can be afforded for window screens, temporary measures are suggested. The garden and poultry are not overlooked and the best methods to be employed are talked over.

Some months later we again visit the same home. The place has indeed become a home—the house is painted and vines are stretching towards the eaves and flowers which used to bloom around the old home are bringing sweet memories to the Settlers. As we enter the home our nostrils are assailed by the odours of fresh bread and we are just in time to see an excellent batch of bread being removed from the oven. The children are anxious for us to see the vegetable garden and poultry, and to say if we think they will have any chance to win a prize at the School Fair which is to be held the next day.

This family have made a good start toward success, and are loud in appreciation of the scheme which made it possible for them to come to this Country.

In another home we find the mother has overcome all difficulties of the stove and bread making—the house is beautifully clean and attractive—but she is finding it difficult to “make ends meet” and is becoming despondent. We urge upon her the necessity of planting a good vegetable garden in order to assure a plentiful supply of vegetables, for winter, and thus cut down the cost of living. Poultry is also discussed and the woman is interested in the same. She has never had anything to do with poultry and is afraid to handle the hens. As we look over the poultry which were procured when the family first arrived, we find one of the hens is broody. A setting of eggs is procured from a neighbor and we show the woman how to set the hen. At first she is afraid to touch the hen but gradually she gains confidence. A sequel to this visit is seen when we again visit the home and are proudly shown an excellent flock of pullets, all of which she has reared herself. The record of eggs is shown and we are told the sale of eggs has procured what groceries have been purchased during the winter. With the exception of a few articles, all the food required has been produced on the farm.

In another home we find the wife very homesick, missing her friends and relatives. A social visit is made here and talk is drawn to the Old Country. It is found many places have been visited in common and after a long chat, we depart leaving behind





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CLEO REILLY 1st Year  
SEC-TREAS.



NORMAN BICKETT 2nd Year  
PRESIDENT



AGNES LINDEN 2nd Year  
VICE-PRESIDENT



GUNNAR WAHLSTROM 3rd Year  
COMMITTEE



RAY UGG 2nd Year  
COMMITTEE



MARY LAYCOCK 1st Year  
COMMITTEE

1930

ATHLETIC  
COMMITTEE

1931



BUD ARCHIBALD 1st Year  
SEC-TREAS.



JACK CASE 2nd Year  
PRESIDENT



HELEN TILTGEN 2nd Year  
VICE PRESIDENT



HELEN KIRKPATRICK 2nd Year  
COMMITTEE



PEGGY WOLFERSTAN 1st Year  
COMMITTEE



TOM ROBBOURNE 3rd Year  
COMMITTEE

WILDERMIDG EMMERTON

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## Athletics

THE ancient meaning of the word athlete was, one who contends for a prize in the games of ancient Greece. Today, we are told, in the volumes of the ancient history of the Empires of Greece and Rome, that Athletics were one of the most prominent features in the social life of the people at that time.

The Romans, but more especially the Greeks were renowned for their learning and high standards of living, and at the present time much of our modern civilization is based upon their principles. Many of our popular field events such as, throwing the discuss, the Marathon foot race, and hurling the javelin come directly from these ancient peoples.

These men realized that a strong body made the mind more efficient not only in knowledge but in morality and ethics. It is a well known fact that the nations who led the world in learning also led them in physical prowess. This statement can be accurately applied to the present day, for the English-speaking peoples lead the world in a great majority of the fundamentals of modern civilization. Moreover, almost eighty percent of the records in physical attainment have been made by members of the British Empire.

Athletics form an important part in the life of the majority of the younger generation of today, and they should find a place in our everyday activities in order that we may get the fullest enjoyment out of life, athletics, with all they imply, are indispensable.

J. L. CASE.

## Hockey

OWING to the tropical weather we experienced at Old this winter hockey has been, almost a minus quantity. The rink was not in operation until after Christmas and the teams had just started to get going nicely when the Chinook came along and converted the arena into a swimming pool.

We wish to thank the rink managers, Bob Thomas and Gunnar Wahlstrom, for the good sheet of ice they did provide while the weather stayed below zero. Indeed their efforts were not in vain but like the farmer, they cannot control the weather.

\* \* \* \* \*

Neighbor: "So your son who has graduated from the O. S. A. is going to try for his B. Sc.

Mr. Webber: "No, he's going to try for a J. O. B."

\* \* \* \* \*

Blake: "My intellect is my fortune."  
Cuthbertson: "Poverty is no crime."

\* \* \* \* \*

LOST:—One Bolt—Please return to Don Surrat and restore his peace of mind.

\* \* \* \* \*

Doting Father: "Yes, my son is at the O. S. A."  
Neighbor: "What is his yell?"  
Father: "Money! Money! Money!"

\* \* \* \* \*

Mr. Yauch: "Can anyone tell me what makes water hard?"  
Carlyle: "Ice."



## Football

THIS year has seen the organization of an O. S. A. football team, "proper." In previous years the O. S. A. boys have only had odd games in the fall and spring. This year however, owing to the unusual slackness of Jack Frost, we have been able, under the captaincy of J. S. Wrigglesworth, to form an aggregation of soccer enthusiasts who have taken all comers.

We are not exactly a champion team but we do pride ourselves in the fact that we drew with the Senior Cup Holders in a match played at home the score being 2-2.

### PLAYERS

**CAPTAIN**—J. S. Wrigglesworth, *Right Back*

A stylish player and a good captain. He handles all situations right whether it is personal play or managing the team.

**VICE-CAPTAIN**—J. Shaw, *Left Back*

Jim is as steady as a rock and can always be depended upon. His soccer experience in Canada and in the Old Country has made him what he is—a first-class defense player.

**J. L. Case, Centre Half**

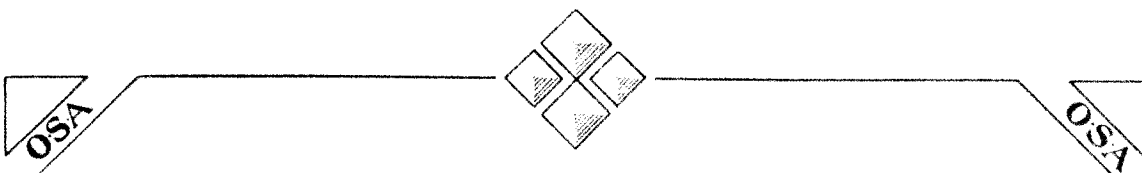
John is a very consistent and hard working player, an ideal centre half, having both power to break up opposing attacks and ability to feed his forwards accurately. He is a whole hearted player with plenty of stamina.

**A. Groom, Centre Forward**

An accurate shot and a pretty combination player. When Alf. is on form "things sure hum" in the forward line.

[Turn to page six y-four]

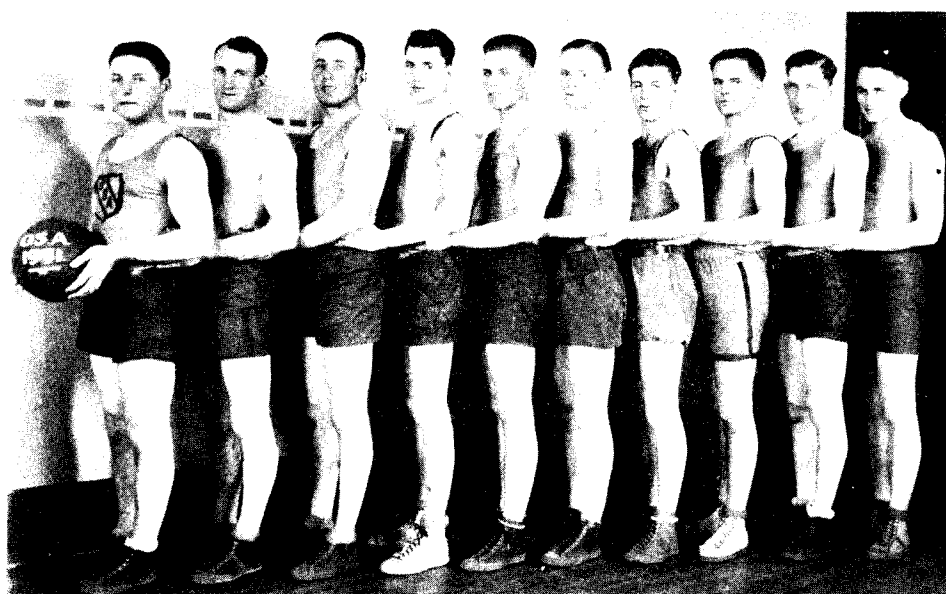
Page Fifty-nine



GIRLS' TEAM

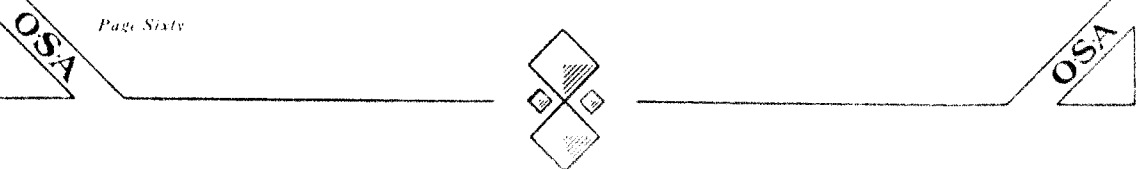
*Left to right—R. Morgensen, P. Wolferston, R. Unland, W. Laycock, H. Tiltgen, S. McComb, A. Linden, H. Kyle (absent)*

\* \* \* \* \*



BOYS' TEAM

*Left to right—D. Bresce, J. Shaw, C. Webber, C. Fairbanks, L. Ditzler, L. Roen, J. Case, D. McFadden, R. Ure, H. Cripps, C. Reilly (absent)*





## Basketball

FIRST and foremost at the O. S. A. is this team game of basketball.

At the beginning of the term Mr. Gibson formed a basketball league which consisted of teams from each of the divisions of the Freshies, Sophs, and from each of the Seniors, Two-in-Ones, not to mention the Staff. Each team had a pet name.

The league championship was carried off by the "Chums" a Soph team. The "Whoopees," the second Soph aggregation, came a close second.

A team of regulars was soon formed after some good material had shown up in the inter-league games.

The Regulars went off to a flying start under the leadership of Cal. Fairbanks, a veteran O. S. A. basketball player of three years standing. At the time of writing there have been seven matches, six of which went to the O. S. A., the remaining one being lost by two points only.

A word of thanks and appreciation is accorded Mr. Parkinson, coach, and Mr. Gibson, business manager. Mr. Parkinson has taken a profound interest in the boys' team this year and it may be truly said that therein lies largely the cause for their undisputed success.

These are the scores and the games as they have been played to date:

		we	they
Red Deer	Home	29	6
Red Deer	Away	31	7
Harmattan	Home	17	10
Harmattan	Away	17	6
Crescents (Calgary)	Home	26	10
Calgary Tech.	Home	17	19
Crescent Heights H. S.	Away	18	14

### O. S. A. *versus* Calgary Tech.

ON FEBRUARY 7, at 7:30 P. M. the O. S. A. team lined up against the visitors from Calgary. In the first ten minutes of the game some classy ball was played. The score at the end of the quarter was 3-1 in our favor.

The same O. S. A. team was put on for the second period, whereas the Tech used three fresh players. When the whistle blew for half time the score was 8-3 in favor of Tech.

The final half opened with the spectators rising to their feet. After two quarters of lightning fast play the score was a tie. The coaches decided to have the teams play four minutes over time in an endeavor to break the equal score.

As luck would have it, Tech was able to register another basket, a lead which they held to the finish.

Line-up, O. S. A.—Ditzler, Cripps, Ure, Reilly, Fairbanks, McFadden, Roen, Case, Bresee, Shaw, and Archibald.

### Girls' Basketball

THE girls showed the usual keen interest in basketball this year. They however worked under a tremendous handicap as only one member of last year's team returned. This meant that the team had to be rebuilt. Using Aones Linden, the only experienced player available, as a pivot, a start was made early in the fall term. There was no lack of interest and as many as twenty players turned out to practice.

In the first game the team stepped out of their class to meet the Red Deer Fliers. This team has been organized for some years and has a good deal of experience. The O. S. A. girls put up a splendid fight but lost out 29-9. An unfortunate accident

## Boxing, Wrestling, and Pyramid Building

**W**EDNESDAY night in the gymnasium is an eventful one for those who box, wrestle or are interested in pyramid building. Half the gymnasium is used for boxing and the remaining half for the other activities.

On entering the gym on these nights one is confronted first of all by two would-be boxing champions having a work-out with the mitts. Sometimes it is the heavy weights such as Rowell and Thomas, then again it may be some of the bantam weights in the persons of Sturm and Wagstaff. In these amateur bouts, one or other of the participants, occasionally "connects" much to the amusement of the by-standers.

After passing these men, who are endeavoring to learn the art of self defense, we see the large mat spread out over the floor, and on it, anything from wrestling antagonists to a four story high pyramid. All this work is under the supervision of Capt. Gibson who seems to take pleasure in watching "human flies" such as Black, scale the dizzy heights which consist of red faced, straining, O. S. A. students.

The strong men of the acrobatic contingent include Pat Walker, Bob Thomas, "Big" McElroy and others. The hand-stand experts are Myatt and Case, while in the lightweights we have Black, Bernard, and Freddie Miller, whose precarious jobs are to make the peaks of the human towers.

We were very sorry to lose two of our outstanding boxers, N. Bickett and R. Peake, who for unforeseen causes had to foreshorten their sojourn at the O. S. A. Nevertheless, we hope to see both again in the future as prominent as ever in the functions at our College.



GYMNASTIC EXERCISES



*Field Day Champions—John Case, and Agnes Linden*

## O. S. A. Field Day---1930

**T**HE morning dawned bright and sunny on the date of the annual Field Day. At lunch it was noticed that numerous students did not have much of an appetite, or was it that they were wise to the effects of running on an empty stomach?

Keeness was shown both by participants and spectators throughout the afternoon. Under the able sponsorship of the Field Day Committee every event was held and there was never a "hitch" in the programme.

Features of the afternoon were Kenneth Carlyle's speed in the short sprints, John Case's staying power in the longer races, and Agnes Linden's success in all the events in which she entered. Furthermore Jim Shaw's fine rally in the relay is something to be remembered.

The events and placings were as follows:

### MEN

- Event 1. 100 yds. race, 1st. Carlyle, 2nd. Reilly, 3rd. Cripps and Manning.
- Event 2. 220 yds. race, 1st. Carlyle, 2nd. Cuthbertson, 3rd. Shaw.
- Event 3. 440 yds. race, 1st. Shaw, 2nd. Carlyle, 3rd. C. Webber.
- Event 4. 880 yds race, 1st. Case, 2nd. C. Webber, 3rd. Bickett.
- Event 5. 1 mile race, 1st. Case, 2nd. Surratt, 3rd. Chattaway.
- Event 6. Relay race  $\frac{1}{2}$  mile, 1st. Second Year Team.—Carlyle, Bickett, Peake and Shaw.
- Event 7. High Jump, 1st. Cuthbertson, 2nd. Case, 3rd. D. McFadden, Peake, F. Miller.
- Event 8. Broad Jump, 1st. Reilly, 2nd. Case, 3rd. Morphy.
- Event 9. Putting the Weight, 1st. Reilly, 2nd. Allen, 3rd. Miller.
- Event 10. Throwing the discus, 1st. Davidson, 2nd. Allen, 3rd. Case.
- Event 11. Tug of war, won by First Year team.

### SUPPLEMENTARY EVENT

Throwing the basketball, 1st. Bickett, 2nd. Allan, 3rd. Ditzler.

## WOMEN

- Event 1. 75 yds. race, 1st. M. Laycock, 2nd. R. Unland, 3rd. S. McComb.  
 Event 2. 200 yds. relay race, 1st. First Year Team.—M. Laycock, S. McComb, B. McCready, R. Unland.  
 Event 3. High Jump, 1st. A. Linden, 2nd. M. Laycock, 3rd. B. McCready.  
 Event 4. Broad Jump, 1st. A. Linden, 2nd. M. Laycock, 3rd. B. McCready.  
 Event 5. Throwing Basket Ball, 1st. A. Linden, 2nd. H. Malcolm, 3rd. P. Wolferstan.

The individual championships were won by J. Case and A. Linden. They were presented their respective trophies at a dance held later in the season, sponsored by the Athletic Committee.

\* \* \* \* \*

GIRLS' BASKETBALL—*Concluded from page 61*

marred this game for the O. S. A., Agnes, our main stay, sprained her ankle and was out of the game for six weeks. A number of games were played which gave the girls the much needed experience. However, the school team came out losers each time.

Following are the scores:

Olds High School	17	O. S. A.	15
Spitfires	18	O. S. A.	15
Hamarattan	14	O. S. A.	12
Red Deer Fliers	30	O. S. A.	2
Spitfires	25	O. S. A.	16

In January our star centre got into the game and although it was sometime before she hit her stride the team showed steady improvement.

On January 31, O. S. A. beat O. H. S. 10-8; and February 14, they won over Carstairs 11-3. At the time of writing a number of games have been arranged for and the team are hoping to repeat their successes.

The one bright spot in the season's work is the fact that the girls have never shown any sign of being discouraged. They have learned a lot of basketball and it is to be hoped that a number of the regulars return to the school next fall.

The personnel of the 1930-31 team is as follows: Agnes Linden, C.; Ruth Morgensen, R. F.; Helen Tiltgen, L. F.; Hilda Kyle, R. G.; Sadie McComb, L. G.; Subs., Peggy Wolferstan, F.; Mary Laycock, G.; Ruby Unland, F.

The writer would like to make special mention of the following girls who have faithfully turned out to practices although they have never been used in the game:—Belinda McCready, Dora Hannaford, Mable Stanvick, Verna Lord, Karin Erickson.

\* \* \* \* \*

FOOTBALL—*Concluded from page 59*D. Robertson, *Outside Left*

Doug. got his experience at the coast and he is showing us how. His corner kicks and centres are a treat to see.

C. Fairbanks, *Outside Right*

Cal. has speed and dash with good centering power. Uses his head and is a good combination player.

L. Ditzler, *Right Half*

One of the real hard workers in defense and attack. "Chum" is a steady, safe half.

H. Cripps, *Inside Right*

Plays the offensive with lots of dash and energy. Works with his outside and centre forward with good success.

Ray Ure, *Left Half*

A strong kicker and fast on the attack, gets the ball when he goes for it.

K. Brokovski, *Inside Left*

Ken is good with his left foot, a hard shooter and can play a game of combination.

R. Ewart, *Goal*

Has played for other teams in this position. Good at saving high shots.

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COOKING



HOME NURSING

OSA

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# O.S.A. STUDENTS 1930-1931

## 1930-31 O. S. A. 1st Year Domestic Science Class.

Beddoes, Louise, Rimbey  
Boyle, Ethel, N. Edmonton  
Buckle, Winnie, Bruno, Sask.  
Cook, Ella, Olds  
Erickson, Karan, Prince Albert  
Evans, Ellen, Cochrane  
Flanagan, Isobel, Hutton  
\*Grieve, Doris, Drumheller  
Hannaford, Dora, Howie  
Kyle, Hilda, Alcomdale  
Leeson, Velma, Cassils  
Lord, Verna, Rosetown, Sask.  
Malcolm, Hazel, Rimby  
McComb, Sadie, Huxley  
Parsons, Frances, Fawn, B. C.  
Semple, Mary, Alix  
\*Smith, Olive, Knee Hill Valley  
Stanvick, Mabel, Donalds  
Sulman, Pauline, Coleman  
Thomas, Irene, Scollard  
Thomson, Effie, Olds  
Upland, Ruby, Falun  
Wagstaff, Laura, Huxley

## 1930-31 O. S. A. 2nd Year Domestic Science Class

Catling, Dorrell, Hilliers, B. C.  
\*Grieg, Emma, Balzac  
Grumbach, Elsie, Bentley  
Kirkpatrick, Helen, Bawlf  
Linden, Agnes, Wetaskiwin  
Madison, Ruth, Camrose  
Morgensen, Ruth, Red Willow  
Morrow, Hilda, 10738, 104th. St., Edmonton  
Stauffer, Maude C., Olds

## The 1930-31 O. S. A. Two-in One Year Girls.

\*Noble, Mrs. E., Olds  
Secord, Doris, co. Arlington Hotel, Calgary  
Shackleton, Evelyn, Olds  
Taylor, Mary, Edgerton  
Tilgen, Helen, Ponoka

## The 1930-31 O. S. A. First Year Agriculture Class

Akar, Gordon E., Nashville, Ont.  
Albright, E. F., Donalds  
Anderson, T. E., Lacombe  
Archibald, W. F., Lacombe  
Auld, Edward, Brant  
Bishop, Richard, Carseland  
Black, Alex. J., Olds  
Brokovski, Kenneth, 1810, 5 St. W., Calgary  
\*Coonert, Ralph C., D. Lemont  
Corrigan, Thomas, Hillsdown  
Crandall, W. N., Clesterwald  
Ewart, R. C., Wetaskiwin  
Farnalls, John, Halkirk  
Findlay, Ralph, Trochu  
Fraser, Leon D., Iron Springs  
Hannaford, Robt., Howie  
Hays, Bernard, Olds  
\*Hill, Orville, Caroline  
Holmberg, John A., Hay Lakes  
Kerry, Edward C., Wetaskiwin  
Laycock, Mary, Box 2054, Calgary  
Litz, Donald, Swallowell  
Lockhart, Archie, Bowden  
McCready, Belinda, Fenn  
McElroy, Ewart H., Gen. Del., Calgary  
McElroy, Winston L., Gen. Del., Calgary  
\*McLaren, Wm. Thos., R. R. No. 5, Edmonton  
Miller, Fred E., Olds  
Morley, Edward G., Verdant Valley  
Morphy, Gordon A., Olds  
Myatt, Vernon, Box 472, Edmonton  
Reilly, Cleo E., 402, 6 St. W., Calgary  
Riesterer, Hynes A., Lacombe  
Ripley, Harold, Spruce Grove

Robertson, Douglas, Victoria, B. C.  
\*Rye, Lindsay, R. R. No. 4, Edmonton  
Stewart, James Homeglen  
\*Sturm, Martin J., Brooks  
Taylor, Herbert, Scapa  
Walker, Melville, Wetaskiwin  
Walker, Patrick H., Brooks  
Welsh, Clayton, Olds  
\*Westmacott, Michael, Midnapore  
Wollerstan, Peggy, Alix  
Yauch, Ralph, Olds

## Second Year Agriculture Class

Aspden, Wilbur, Coronation  
Bartsch, John, Majorville  
Berthot, Howard S., Big Valley  
\*Bickett, Norman, Warspite  
Bresee, Douglas, Ponoka  
Case, John L., Edmonton  
Chapman, Eric, Rumsey  
Cripps, Herbert W., Clive  
Ditzler, Leland P., Clive  
Goshing, Raymond, Dalemead  
Grey, Kenneth, Innistail  
Groom, Alfred, Nightingale  
Holmes, John S., Coronado  
Jevne, Alfred, Millet  
Lee, Charles M., Ponoka  
Leonard, Eugene A., Duchess  
MacGregor, John Malcolm, Thorhild  
McFadden, A. Don, Lacombe  
Milligan, Roy E., Craigmyle  
Morrow, Robert, 10738 - 104th St., Edmonton  
Noad, Edmund, Olds  
\*Peake, Ronald W., 1611 - 3rd Ave. N., Lethbridge  
Rasmuson, Emil B., Wetaskiwin,  
Roen, Lawrence, Duchess  
Rowell, Kermit, Olds  
Scheelar, Raymond, Strome  
Shaw, James, Lacombe  
Surratt, Donald, Bentley  
Tilgen, Emil, Ponoka  
Thomas, Robert J., Acme  
Wagstaff, William J., Huxley  
Watt, Alex., Beaverlodge  
Webber, Albert, Endiang  
\*Webber, Charles, Endiang  
Wrigglesworth, Sidney J., Manyberries

## The 1930-31 O. S. A. Two-in-One Men

Davidson, Edwin N., Coaldale  
Earl, Ronald, Olds  
Ekiss, Fred, Olds  
Manning, Jack, Delburne  
Miller, Fred N., Kincorth, Sask.  
Murray, J. Allen, Olds  
Tallman, Adrian, Red Deer  
Ure, Ray, Delburne  
Wheeler, Lincoln, Dalemead

## Third Year Class

Allen, Ted M., Taber  
Blake, Nigel S., Nanton  
\*Brown, Sam, Blackie  
Bolt, Daniel, Olds  
Chattaway, George D., Nanton  
Cuthbertson, Boyd, Olds  
\*Fairbanks, Calvin, Lethbridge  
Flewelling, Ina, Consort  
Good, Max, Carstairs  
Hole, Ronald, Twin Butte  
Himmelreich, Merrill, Carstairs  
Hoagland, Ray, Olds  
Irwin, Ellwood, Barons  
Mills, Britton, Alcomdale  
\*McMullen, Dean, Raymond  
McFadden, Hugh, Lacombe  
Rodbourn, Tom, Crowfoot  
Wahlstrom, Gunnar, Czar

(\*) These Students left before end of term

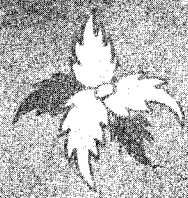
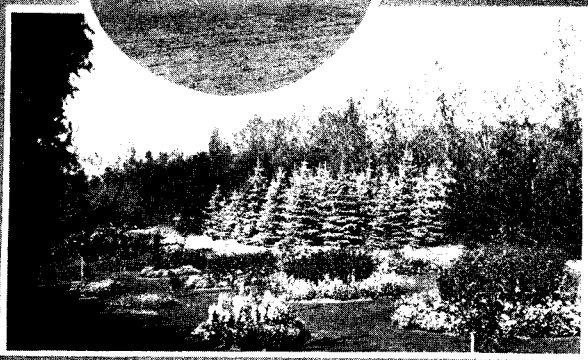
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VIEWS  
AT



# FOGELVIK FARM



ANDREW ANDERSON  
EDMONTON  
SIBBALD ALBERTA



MCDERMIDS EDMONTON

OSA

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# SCHOOL YELLS!!



\* \* \* \* \*

## *Official Cheer Leader: Don McFadden*

\* \* \* \* \*

Chow, Chow, Catsup, hot and cold—  
Boomeranga, Boomeranga, Blue and  
Gold—  
Razoo, Bazoo, Zip, Boom, Bam—  
Agriculture, Horticulture, Mathematexam,  
Alpha, Gamma, Agricolayea,  
O. S.—O. S.—O. S. A.

Agriculture, Agriculture, Rah, Rah, Rah,  
Agriculture, Agriculture, Sis, Boom, Bah,  
Agricola, Wa, Wa,  
Agricola, Zip,  
Reubin, Reubin, Hip, Hip, Hip,  
A G R I C U L T U R E  
O U D S

Strawberry Shortcake, Huckleberry Pie—  
V I C T O R Y,  
Are We in it? Well I Guess,  
FRESHIES! FRESHIES!  
YES! YES! YES!

With a Vim --With a Snap--  
With a Sparkle --With a Bubble --  
With a Rubble, Rubble, Rubble--  
And a Siss, Siss, Boom--  
And a Boom, Boom, Bah --  
Sophomores, Sophomores, Rah! Rah!  
Rah!  
S O P H O M O R E S

Chic-a-laca, Chic-a-laca—  
Chow, Chow, Chow—  
Boom-a-laca, Boom-a-laca—  
Bow, Wow, Wow,  
Ricka, Racka, Ricka, Racka—  
Fiel o, Racka, Roooo—  
We are the Third Years,  
Who are You?

Shoot Her High!  
Pass Her Low!  
Two-in-Ones—  
Let Her Go.



HOME SERVICE — *Concluded from page 56*

us a woman who is ready to take up her work again and show the neighbors what an English woman can do.

It is impossible in a short article to cover all the activities of Home Service. Each visit brings its individual work, but in all cases our great aim is to make friends and confidants. When there is sickness in the homes, the Home Branch endeavors to pay a friendly visit. Work among the children is given special attention and in many cases arrangements are made through the Junior Red Cross Society for the admittance of the little one to the Children's Hospital.

A "Red Letter" day in one district was the Settler's Picnic. As many as possible gathered at the Agricultural School and listened to the lectures given by members of the Staff. This was followed by a picnic lunch, walks through the grounds, etc. Many exclamations were heard about the lovely flowers, the splendid display of fruits, and everywhere one could hear the determination to grow flowers like these and try a few fruit bushes.

During the winter months when travel is impossible the Home Branch is not idle. The women are kept in touch with by personal letters, and circular letters on various subjects are sent out. In the spring, garden seed contributed by the Provincial Agricultural Schools, are packed up and sent out to as many Settlers as possible.

The Home Branch is greatly indebted to the various Organizations in the Rural Districts and the City, who have helped welcome newcomers by meeting them at the Station, in sending toys to the children and Christmas Cheer to those where sickness and trouble have overtaken the family.

\* \* \* \* \*

Manning: "Do you serve lobsters here?"  
Waiter: "Sure, we serve anyone, sit down."

\* \* \* \* \*



FIRST YEAR GAS ENGINES — SQUAD ONE

## Prizes and Scholarships, 1930

**L**IBERAL prizes and scholarships were again offered at the O. S. A. by friends of the school. This help is greatly appreciated by staff and students.

The prize winners for the year 1929-30 were as follows:

P. Burns Prize in Agriculture for practical work in Stock and Grain Judging, Carpentry, Blacksmithing and Weed Identifications - 1st Year: 1st, R. J. Thomas, Acme; 2nd, A. Groom, Nightingale; 3rd, L. Ditzler, Clive. 2nd year: 1st, M. Good, Carstairs; 2nd, R. Chamberlain, Gem; 3rd, D. Bolt, Olds.

P. Burns Prize in Domestic Science for practical work in Cooking, Sewing, Home Nursing and Laundering - 1st Year: 1st, Elsie Grumbach, Bentley; 2nd, Marble Sparks, Glamis, Sask.; 3rd, Meta Anderson, Wayne. 2nd Year: 1st, Hannah Finkenhagen, Dalroy; 2nd, Isobel Dick, Trochu; 3rd, Grace Russel, Haynes.

T. Eaton Prize for Butter-making 2nd Year Domestic Science: 1st, Isobel Dick and Hannah Finkenhagen (Equal); 2nd, Grace Russel, Haynes.

T. Eaton Prize for Washing Four Kinds of Fabrics 2nd Year Domestic Science: 1st, Annie Landels, Naco; 2nd, Hannah Finkenhagen, Dalroy; 3rd, Mary Duncan, Elnora.

T. Eaton Prize for Bread-making 2nd Year Domestic Science: 1st, Grace Russel, Haynes; 2nd, Isobel Dick, Trochu; 3rd, Molly Nelson, Huxley.

T. Eaton Prize for Laundering - 1st Year Domestic Science: 1st, Elsie Grumbach, Bentley; 2nd, Mable Sparks, Glamis; 3rd, Mildred Hardy, Calgary.

T. Eaton Prize for Home Nursing 1st Year Domestic Science: 1st, Elsie Grumbach, Bentley; 2nd, Helen Novak, Cheadle; 3rd, Meta Anderson, Wayne.

United Grain Growers Limited, Calgary, Scholarship for \$50.00 for General Proficiency, 1st Year Domestic Science, paid to the winner on entrance to the 2nd Year at the beginning of the next term: Elsie Grumbach, Bentley.

O. S. A. Scholarship of \$50.00 for General Proficiency 1st Year Agriculture, paid to the winner on entrance to the 2nd Year at the beginning of next term: John Malcolm MacGregor, Abee.

Women's Institute Scholarship of \$50.00 to the 1st Year Domestic Science student making the best use of her opportunities: Ruth Morgensen, Red Willow.

J. Paul and J. & J. Currie, Olds, \$25.00 Scholarship to 2nd Year Agriculture student who stands highest in General Proficiency and returns for his Third Year: Briton Mills, Alcomdale.

M. R. Maybank, Olds, \$25.00 Scholarship to 2nd Year Domestic Science student standing highest in year's work who returns for Third Year: No one returned.

L. W. Askin, Olds, Gold Watch to man or woman in Third Year who stands highest in term's work: Lovel Moseson, Wetaskiwin.

M. W. Malyon, of the Malmur Poultry Farm, donates a pen of White Leghorns to the 1st Year student who obtains the highest standing in Poultry: Douglas Rogers, Alix.

Leland Philips, Carseland, prize of the Poland China Gilt for 2nd Year student standing highest in Stock Judging: Ray Hoagland, Hussar.

Fanny Burns, Red Deer, Prize of \$5.00 to the 1st Year Domestic Science student who makes the most progress in Public Speaking: Ruth Madison, Camrose.

E. L. Churchill, Edmonton, Prize of \$5.00 to the 1st Year Agriculture student who obtains the highest standing in Public Speaking and Debating: Alfred Groom, Nightingale.

Peter Keyser Prize of \$10.00 for 2nd Year student standing highest in Judging Dairy Cattle and Bacon Hogs: Harold McNaughton, Rumsay.

Best Essay on weed Control written by 2nd Year Agriculture student E. Clark, Red Deer.

\$10.00 Prize for Best Graduation Dress made by 2nd Year Domestic Science: 1st, Hannah Finkenhagen, Dalroy; 2nd Isobel Dick, Trochu.

\$10.00 Prize for Best Set of Lingerie made by 1st Year Domestic Science: 1st, Agnes Linden, Wetaskiwin; 2nd, Maude Vernon, Didsbury.

Meal Serving Competition 2nd Year Domestic Science: 1st, Isobel Dick, Trochu; 2nd, Pearl Cade, Penhold.

\$10.00 Prize to 2nd Year Agriculture student ranking highest in Grain Judging and Grading: R. Chamberlain, Gem.

Prize for Improvement in English to 2nd Year student: "A" Division, T. Schultze, Edmonton; "B" Division, E. Dick, Trochu.

Prizes for the Best Kept Rooms - Girls' Dorm: 1st Prize of \$15.00 and 2nd Prize of \$10.00 was evenly divided among the following four girls: Isobel Dick, Hannah Finkenhagen, Elsie Grumbach and Ellen Rasmussen. Boys' Dorm: 1st Prize of \$15.00 was awarded to Room 55 occupied by R. Boyden and C. Shields; 2nd Prize of \$10.00 was awarded to Room 44 occupied by L. Bolton and F. Brewster.

The Debating Cup was won by the First Years.

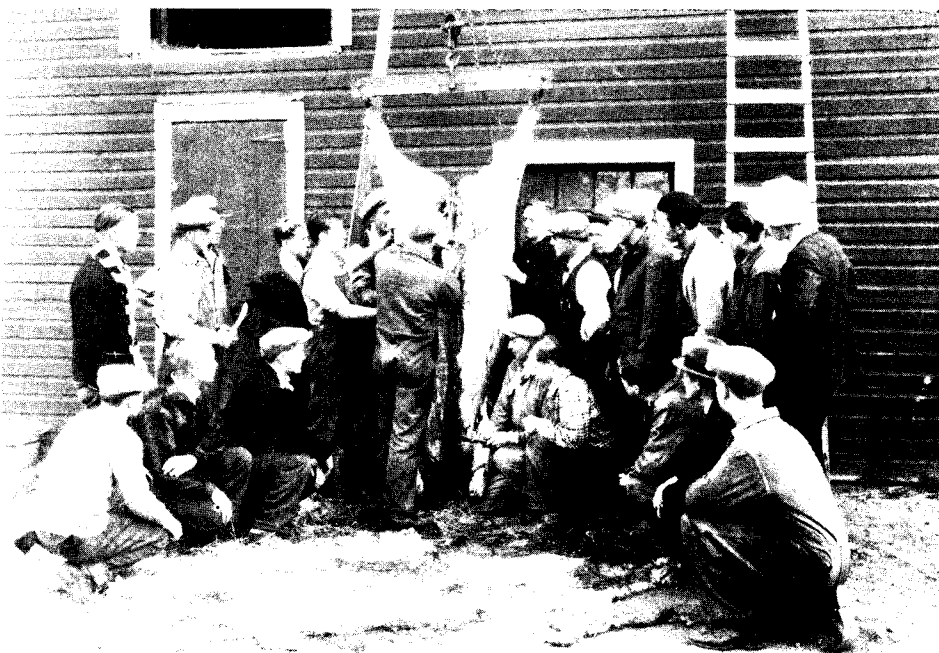
The MacKenzie Inter-Class Play Competition was won by the Two-in-Ones.

TWENTY YEARS BEHIND THE TIMES---*Concluded from page 13*

if it is extremely difficult to so dry a pail that not enough moisture is left in the capillary crevices to support bacterial growth, surely we face an impasse? On the contrary there is a very easy way out.

It is an unwritten law on the dairy farm that the utensils be thoroughly washed immediately after milking. Too frequently little or no effort is made at drying or sterilization. Some attempt at sterilization should be made. Assuming a clean and dry utensil to start with then sterilization should be done *just before* milking time as well as, or rather than, just after. It should be easy for a graduate of a School of Agriculture to appreciate that the temperature of boiling water, means just what it says and to remember that a temperature of boiling water, applied for ten minutes, will render a milk utensil as nearly sterile as is possible in practice.

So frequently we in universities are accused of being too theoretical and not practical enough. No doubt this is sometimes true but more and more the belief is growing upon me that this is merely an excuse for refusing to comply with the exacting demands made by nature in the field of dairying. Fortunately or unfortunately the laws of nature are not controlled by university professors. In a fermentation industry where the meticulous and incessant care of the modern hospital operating room is desirable, in the handling of a product which is the best all round bacterial food known, in a field of such importance to public health, surely a few simple precautions are not impractical. Is it too much to expect that *every* Alberta dairy farmer clean his milking utensils thoroughly after use, dry them thoroughly after cleaning, and subject them to thorough boiling just before use again? If it were possible tomorrow to have all milk in Alberta come in contact only with sterile receptacles then in my humble opinion the dairy products of Alberta the day after tomorrow would be of a quality such as the province has rarely, if ever, seen.



BUTCHERING

“ONLY GRASS”—*Concluded from page 38*

the last twenty years. On other grazing lands, such as the Public Domain, there has been a decrease of at least fifty percent in the carrying capacity, which is contributed to the lack of control measures.

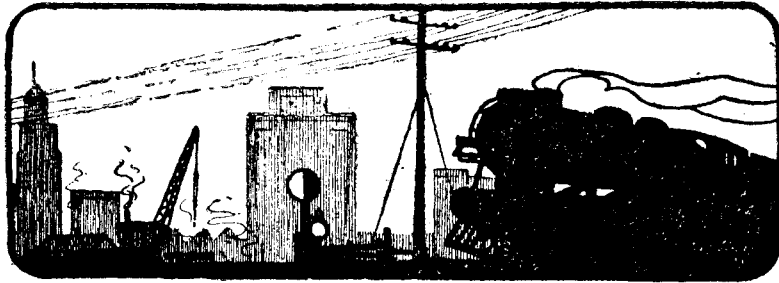
In certain areas stock do not do well on what appears to be good pasture. The grass lacks “something” that is required for the growing animal. Possibly one of the main reasons why stock do not do well on such pasture land is the absence of certain minerals in the herbage; but, if those minerals were supplied in the form of licks, the stock would immediately commence to improve, in spite of the inferiority of the herbage. An experiment demonstrating this point was carried out in the north of Scotland, where cattle and sheep were becoming stunted on the pasture. It was found that by adding mineral licks to the pasture there was a decided improvement in the livestock.

Pasture can play an important part in the finishing of steers. A study was conducted in Montana to learn the possibility of fattening yearling steers on pasture. In the early winter two lots of calves were taken into the feed lot. One lot was fed a heavy grain ration and a full feed of hay to produce baby beef in the spring. The other lot was fed a maintenance ration and then placed on the native pasture in the spring with supplemental grain ration. The results showed that the lot on pasture made a margin of \$32.71 over cattle and feed costs, whereas, the heavy grain fed lot only made a margin of \$12.85 over cattle and feed costs. These figures show the value of pasture with a supplemental grain ration in increasing the income per head. The steers harvested the roughage themselves in the form of pasture, and the labor costs were reduced. Also, the steers reached a weight of 1036 lbs. in a year and a half, which would ordinarily have taken a year longer.

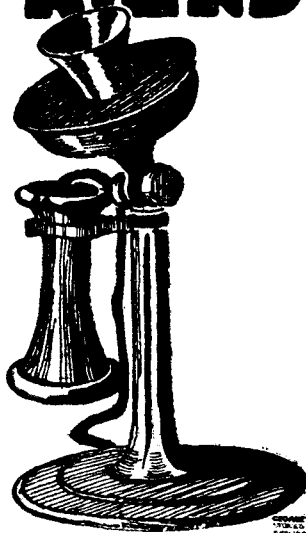
In the growing of livestock on the ranges in Western Canada, the economic use of the grass is of vital importance. At the present time, experiments are being conducted by the Dominion Experimental Farms Branch to learn the value of different grazing practices on the carrying capacity of the range on the Short Grass Plains. A Range Experimental Station has recently been established near Manyberries, Alberta, and a large number of projects are in operation. Unfortunately, very little information on the use of our grazing lands has been recorded in the past, and, with pasture investigations, considerable time is required before results are available.

The use of farm pastures in the Prairie Provinces has not been studied to the same extent as our cultivated cereal crops. Their place in the production policy of the farm opens up several avenues of thought. There is the question of the use of spring or fall pasture with a supplemental feed of grain for the finishing of steers and placing them on the market at a time when light marketings of finished cattle are made. This would bring about a more even distribution of marketing. Then there is the study of the use of cultivated forage crops such as turnips, rape and fall rye for the finishing of feeder lambs on the range. With the farm pasture, little attention has been paid to the following of any system of grazing control. Yet, the experience of other countries shows us that much greater returns are received per acre by following a grazing rotation consistent with the conditions of the particular section of the country. It is apparent that there are many phases of grass-land management which would, no doubt, assist in marketing livestock products at a lower cost of production.

The different sections of the West have different types of vegetation and prevailing methods of livestock production. Each presents individual problems as well as problems common to the whole area. While certain practices will apply in one area they will not apply in another. The fact remains, however, that there is a need for the inviting field for thought and study not only to the research worker, but to the farmer and rancher as well.



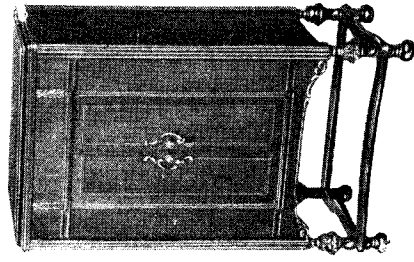
# **BUSINESS FRIENDS**



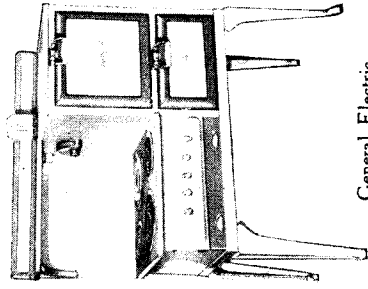


*The Name*

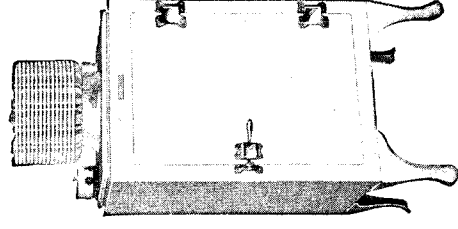
# GENERAL ELECTRIC



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General Electric  
Hotpoint Range



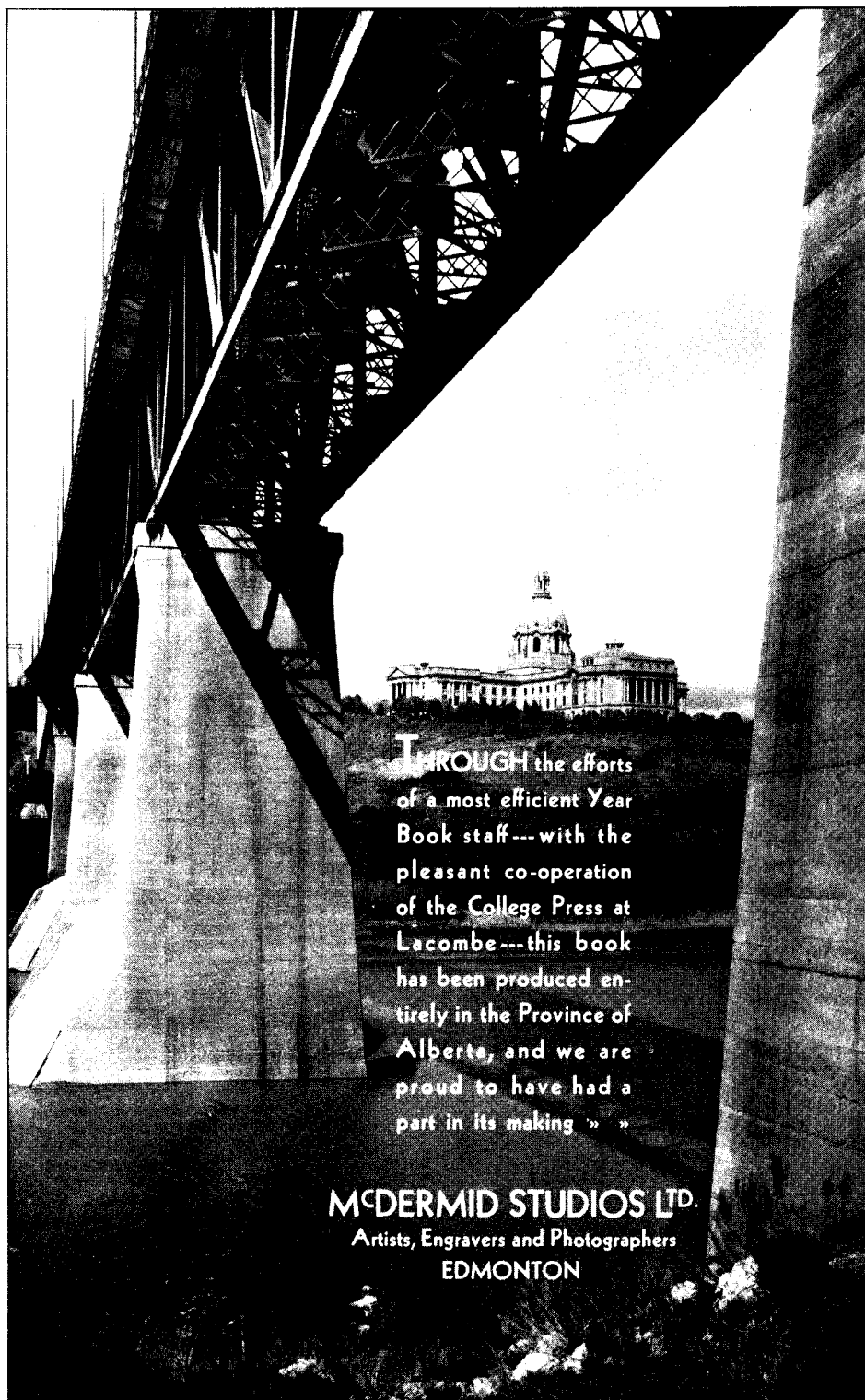
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Manager, the Stampede

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General Manager

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# "FARM MANAGEMENT"

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Companion volume to the books  
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The past year has been a difficult one for Canadian farmers, and it is evident that the present year will call for efficient management by farmers all over the Dominion if they are to realize any reasonable profit on their year's activities.

In the interests of better and more profitable farm management, Imperial Oil has published the book, "Farm Management," which covers every phase of this subject.

This book has been edited by the Honorable Duncan Marshall, former Minister of Agriculture for Alberta, and is a companion volume to the books "Weed Control" and "Field and Farmyard" previously published by Imperial Oil Limited. It is a fact worth noting that upwards of 80,000 copies of each of these previous books have been distributed to Canadian farmers.

In preparing this new volume, Mr. Marshall personally called on and investigated the methods and records of many farmers who have been successful operators both in Eastern and Western Canada—in all branches of agriculture. He has been able to base his conclusions upon their reasonably complete records covering both good years and bad.

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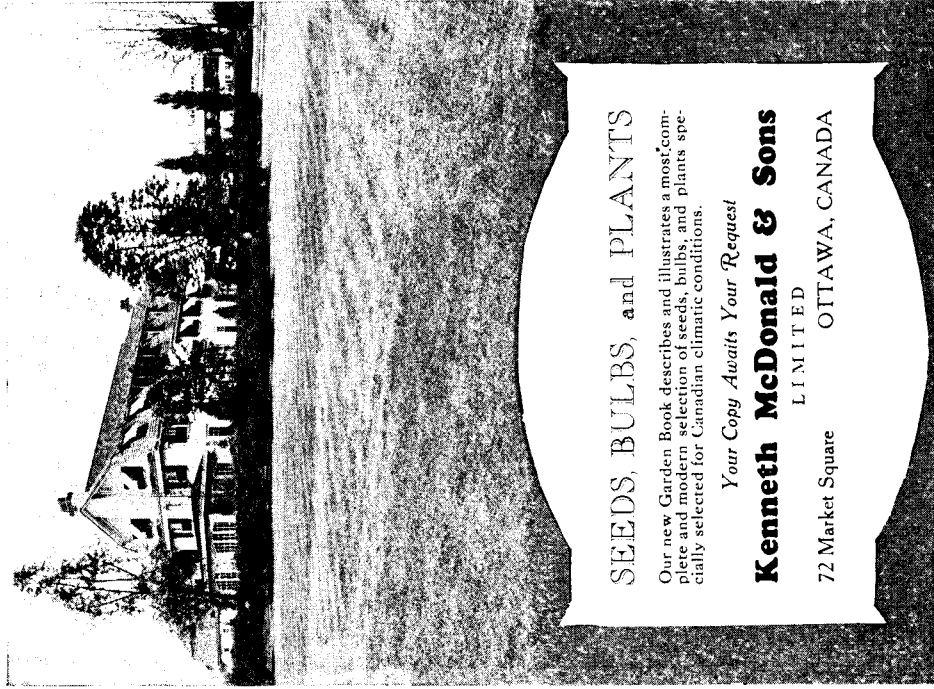
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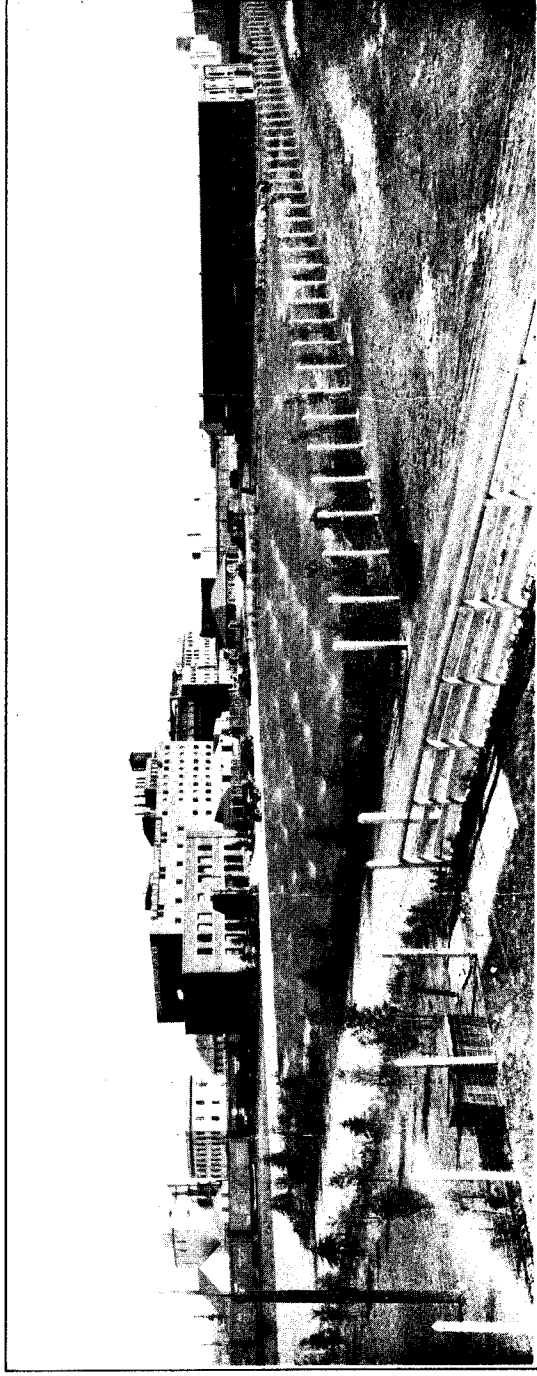
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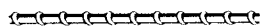
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